

1 NATIONAL TRANSPORTATION SAFETY BOARD
2 VERBATIM TRANSCRIPT OF INTERVIEW WITH
3 QC

4 STS1(SS) ROBERTO REYES, JR., USN

5
6 CONDUCTED AT COMMANDER, SUBMARINE SQUADRON 1 CONFERENCE ROOM,
7 822 CLARK STREET, BUILDING 661, PEARL HARBOR, HAWAII
8

9 ON 16 FEBRUARY 2001
10

11 MR. TOM ROTH-ROFFY: Good morning. My name is Tom Roth-Roffy.
12 I am an accident investigator with the National Transportation
13 Safety Board. Ah, the National, I and several others with the
14 National Transportation Safety Board are here investigating the
15 collision between the USS GREENVILLE and the fishing vessel
16 EHIME MARU that occurred on February 9th 2001. Also joining in
17 today's interview are representatives from the United States
18 Coast Guard and United States Navy. For your information the
19 National Transportation Safety Board is an independent federal
20 agency responsible for investigating transportation accidents in
21 the United States. The purpose of the safety board's
22 investigation is determine the cause of marine accidents and to
23 make safety recommendations into preventing the accident or
24 similar accidents. In our investigation we will make no effort
25 to assign blame for the accident nor do we have any legal
26 authority to penalize any person involved in the accident. Our
27 accident, our investigation is strictly a safety investigation
28 and not a legal investigation. Ah, if you desire you may have
29 another person assist you with this interview. Would you like
30 someone to assist you or do you think you can make it through on
31 your own?
32

33 WIT: I think I can make it on my own.
34

35 MR. ROTH-ROFFY: Okay. Okay, again as I mentioned joining me in
36 the interview will be some other folks and I would like at this
37 time for them to introduce themselves.
38

39 MR. WOODY: Bill Woody from NTSB.
40

41 MR. BARRY STRAUCH: Barry Strauch from the NTSB.
42

43 LT HEDRICK: LT Doug Hedrick, SUBPAC.
44

45 LT(jg) KUSANO: LT(jg) Ken Kusano, United States Coast Guard.
46

47 LT JOHNSON: LT Charlie Johnson, United States Coast Guard.

1
2 LCDR SANTOMAURO: LCDR Rich Santomauro, SUBPAC.

3
4 WIT: Hello.

5
6 MR. ROTH-ROFFY: So then, thank you for coming Petty Officer
7 Reyes. What I would like to ask you to do right now is try and
8 remember back to Friday morning February 9th. Try to visualize
9 in your mind what you were doing. Uh, on the morning of
10 February 9th. And uh, I would like you to start from the time
11 the submarine got underway. What you were doing, ah what people
12 told you, what you told other people, what you saw. Please
13 provide as much detail as you can. I would like you to give me
14 a narrative recollection of what you, of everything you remember
15 from that morning until a period of time after the collision
16 occurred. And I would like again for ah the interviewers not to
17 interrupt that you just continue with your narrative start to
18 finish until you are done. Then we will ask you more detailed
19 questions.

20
21 WIT: Okay.

22
23 MR. ROTH-ROFFY: Okay. Ah, start a little bit before the ship
24 got underway. Probably when you came aboard in the morning,
25 what time you got there. And then what you did for preparation
26 for getting underway and proceeding to sea. You know, the full,
27 as much detail as you can.

28
29 WIT: It was ah, it was a pretty early day for us. We all
30 mustered on the boat around five o'clock. I can't, I think it
31 was five o'clock. Pretty sure it was, it was really early. And
32 ah, it was just like any other underway. Ah, getting the boat
33 ready to go out to sea, we ah, make sure all the pre underways
34 are done, have to do a topside survey. Make sure everything is
35 buttoned down, you don't want any loose gear adrift. You don't
36 want anything running around all over the place. Make sure it
37 is a safe condition topside so that line handlers don't slip on
38 anything and fall. Um, no rattles on the ship so we do a
39 topside survey um, with a rubber mallet, whatever. Ah, it was a
40 normal day. It was a normal day we ah, I, I was ah, heading
41 down to the boat. No problems went into sonar. Made sure that
42 the pre underways were done. Made sure the guys were all on
43 station ready to go. And made sure, ah, I was just double
44 checking that everything was good. And ah, that we had
45 everything we needed. Made sure we had the logs available,
46 blank sonar logs, made sure that the headphones were on the
47 stacks so that we could go out to sea. Um, charts and ah, made

1 sure the maneuvering watch was set. That is pretty much it.
2 There, once the maneuvering watch is set we were out to sea. We
3 took off and ah, civilians were on board. And we did a lot of
4 hi how you doing, and on the surface they really couldn't
5 appreciate sonar because they can't hear much because we are on
6 the surface and the sphere is engulfed in all the hydro,
7 hydrodynamic flow of the water over it, so they really can't see
8 to far with it, but ah, or hear much other than waves slap.
9 They don't know what to listen for and after we dove, they would
10 come in and we played biologics tapes for them, and they heard
11 them and whatever and they thought that was pretty cool. There
12 weren't, there wasn't a lot of biologics out there. None of the
13 cool stuff rather. All we had was shrimp, no whales, everybody
14 likes whales. Whales and dolphins. Um, we had our normal
15 watch, no problems. Ah, tracked whatever trawlers we had. And
16 ah, I got relieved for lunch. Once I was relieved, I had my
17 lunch and walked around a little bit. Said hello to some of the
18 guests that were onboard. Chief of Staff was my first CO, I ah,
19 I made it a point to say hello and whatever, but unfortunately
20 never got that chance. Um, and I went up to sonar because I, I
21 typically get cold underway, I still carry my jacket here. I
22 don't do to good in the air conditioning. I went up to grab my
23 jacket, cause on the inside, in the inside pocket I had photos
24 of my wife and baby. And ah, we were making preps, preparations
25 to go to periscope depth. And ah, there were civilians in there
26 at this time. And ah, they were speaking and whatever, I didn't
27 think it was a good idea to be talking to the operators at that
28 point. So, I was like this is sonar, and I kinda hurried them
29 up. Not to distract the operators and whatever. Once I got
30 done with them, they got ushered out to control, because that
31 was where the action was going to be, that is where the actual
32 operation was going to take place, to see through the scope, or
33 the pav vie, and watch us go up to periscope depth and
34 eventually go deep and then blow. And ah, why we're going up to
35 periscope depth, once they said "make preparations to go to
36 periscope depth", I stood behind SN Rhodes. And I kinda like to
37 rib all the guys, I guess that I am the jokester or whatever.
38 "Do you know what you are doing there". And SN Rhodes is the
39 most junior guy on the boat. And ah, I said "Do you know what
40 you are doing", and he's like "Yeah, we are going up to PD".
41 You know, you know how to do it? He is like "Yeah, look off the
42 bow". "Okay, so lets see if you know what you are doing". So,
43 I stood there with him. And ah and he is looking, looking, and
44 looking and we are on our way up now. So, I stood behind him
45 while we are going up, to make sure he was doing it right, so we
46 wouldn't be in trouble or whatever. We made it up to periscope
47 depth and look around, no close contacts was the report that I

1 heard. And ah, heard it twice actually, heard it twice. Heard
2 it from the ESM watch and heard it from the OOD. And ah, they
3 say, "Okay, cool, emergency deep". Now we went emergency deep
4 to get the boat down really quick and ah, at that point the sup
5 Petty Officer McGiboney is like "Hey do me a favor, would you
6 mind grabbing Petty Officer Holmes, I need to go to the head".
7 I go, "Okay, fine no problem". And ah, I walk out and I went
8 right into the cruise mess, because I figured, because that's
9 where everyone was gathering around, that's where most of the
10 crew was. And he wasn't there, so I went down the ladder and
11 into the torpedo room and right away I felt the blow. And I was
12 like "ah man, I am going to miss it". There is a point while
13 you are doing the blow that the boat is descending that you
14 kinda of get a little lift off the ground. It is not really
15 zero G's, but I guess that is the closest that we are going to
16 get on a sub. And ah, I wanted to feel that, it is kinda of
17 cool. And ah, I run up to sonar by the time I got to the
18 forward sonar door we had a pretty good angle. And ah, I knew
19 it was just a matter of a few seconds before we actually started
20 to come down. And I made my way into the aft, in through sonar
21 and into the aft door and I braced myself. And ah, and I was
22 looking at the contact picture and there was nobody there. I am
23 like "cool, this is going to be nice". And ah, I never felt the
24 down, the down drop and I heard a sound that I thought was the
25 bow plane slapping the against the water. But I knew that
26 wasn't right. And ah, I said, I said "What the hell was that".
27 I said "That wasn't that nice". And ah, all I heard was "Oh my
28 God", I heard "Oh my God, Jesus", and I stepped right out into
29 control. And the captain was on the scope. First words out of
30 his mouth were "IWA JIMA". And my first thought was "Oh, shit".
31 And I ran right back into sonar. Now in the old days, we had we
32 had a marine carrier IWA JIMA and I am thinking that we just hit
33 a bunch of marines. But there was nothing on the display that
34 we didn't have before. I am like where did this guy come from.
35 You know this thing is huge. How could they not see it. And
36 ah, and then he said "Fisheries High School", and I was like
37 "What". And I run back into control. And I look on the ah, I
38 look on the ah, perivis and I see what I thought was a tug. And
39 ah, he goes that they are taking on water. We are going to
40 render assistance. That is all I heard. That is all I needed
41 to hear. I went on watch, I ran down to the man overboard bag.
42 And I started ushering some of the junior guys around. And we
43 got suited up right away. By the time I got to the cruise mess
44 they had already leaned over to the port side and started to go
45 nose up. And I looked at the chief and ah, he turned off the
46 perivis and asked the civilians to please step into the torpedo
47 room. So that we could prepare the cruise mess and wardroom for

1 rendering assistance. And they right away got up and went to
2 the torpedo room. And ah, we got suited up and we were just
3 waiting to go, we were waiting to go they were just taking too
4 much water over the side and divers were going to go out the
5 sail, down the ladder and on deck, but there was already a Coast
6 Guard and I have no concept of what the time was, I mean things
7 are happening this fast and we are moving as slow as molasses.
8 And ah, I knew that there was a ah, Coast Guard Helo there
9 already. I am like, lets go, lets go. And ah, we didn't get
10 the word to go up, it was too rough. And ah, that is it. That
11 was my part. I really ah, I mean, that is all I can remember, I
12 mean those are the specifics, I don't know.

13
14 MR. ROTH-ROFFY: Thank you for that, Petty Officer Reyes. Where
15 you on the watchbill for the underway and what were your
16 assigned position?

17
18 WIT: For the watchbill, I was on the watchbill for the
19 underway. I was the sonar operator for the underway period.
20 Now, when this all went down, I was off watch. I just happened
21 to come up and get my jacket.

22
23 MR. ROTH-ROFFY: Okay. What was your assigned watch hours?
24 What time were you supposed to be in sonar on watch?

25
26 WIT: I had the morning watch.

27
28 MR. ROTH-ROFFY: What time was that about?

29
30 WIT: It was a weird day ah, we were only going to be out six
31 hours, so I had the first three or whatever. The first three
32 hours, so.

33
34 MR. ROTH-ROFFY: And what, what times would that be?

35
36 WIT: Lunch went down roughly at 11:30, ah so, so from 11:30
37 back, so ah, we left, so from like eight to eleven, because the
38 maneuvering watch was still stationed. And I was supposed to be
39 on the maneuvering watch bill, my job was to be in sonar, so I
40 was up there from the maneuvering watch until I was relieved for
41 lunch.

42
43 MR. ROTH-ROFFY: And after lunch you returned to the sonar room,
44 why did you do that?

45
46 WIT: To pick up my jacket.

47

1 MR. ROTH-ROFFY: And you picked up your jacket and did you leave
2 the sonar room or did you remain in the sonar room?
3
4 WIT: I picked up my jacket and I was messing around with SN
5 Rhodes. And then we were making preparations to go to periscope
6 depth and ah, I stayed for the periscope depth evolution.
7
8 MR. ROTH-ROFFY: So you were there on your own initiative, you
9 were not actually on watch or required to be there.
10
11 WIT: CORRECT.
12
13 MR. ROTH-ROFFY: And what was your function during your watch,
14 say between 0800 and 1100, say what position did you, or duty
15 did you perform?
16
17 WIT: I sat at primary broadband. And ah, my job was to ah,
18 detect, class, track, classify contacts as they came across.
19
20 MR. ROTH-ROFFY: And who relieved you at 1100 when you went for
21 lunch?
22
23 WIT: There was Petty Officer Bowie. Petty Officer McGiboney
24 was the oncoming Sup and SN Rhodes.
25
26 MR. ROTH-ROFFY: And who actually relieved you at your
27 watchstation?
28
29 WIT: Petty Officer Bowie.
30
31 MR. ROTH-ROFFY: Could you describe the contacts that you held
32 during your watch period please, and if you need to refer to the
33 logs there, just step us through various contacts and what you
34 acquired and lost?
35
36 (The witness reviewed the logs)
37
38 WIT: Sure. From the very beginning, sierra 2, 2 through 7 were
39 all either merchants or tankers. There was one contact sierra 7
40 that all they have here is surface on the logs, because we
41 couldn't get any screw blade information. Um, let me see, some
42 of them were going really quick, light crafts 500 plus RPM's.
43 Um, and then we got relieved right here. We got relieved about
44 2140 Zulu. Ah, And then the rest of them don't have any any
45 solid, any solid classification as far as whether they are
46 trawlers or merchants or anything like that the guy just put
47 surface. So there was surface ships out there. This is all on

1 that. Yeah, same thing. They have a couple in there as small
2 merchant, they were all surface crafts, according to the logs.
3 This is way later into the night. Yeah, they were all
4 classified as surface. Surface or merchant like craft.

5
6 MR. ROTH-ROFFY: You mentioned ah, there was no screw blade info
7 on these contacts. Could you describe that, what does that mean
8 and how that information is acquired? And how that designation
9 or classification is made for the contacts?

10
11 WIT: Screw blade information is ah, is all related to their
12 propulsion. Ah, what kind of, how many shafts does this
13 particular contact have. Ah, how many blades on each propeller.
14 All this information is derived off the classification from
15 stack. On here, the broadband energy modulated and then ah, is
16 put on a display that we can see. And ah, you can actually
17 count the number of blades on the screw. And which ever one is
18 highlighted, that ah, for example you have a four bladed screw,
19 as the first blade goes through the water that is the initial
20 blade ah, shaft line. The second, the third, and then as the
21 fourth comes through it is evenly balanced if it is a good screw
22 it will hit in the same spot the first one hit. So now that
23 first line, which is actually the fourth is highlighted more, it
24 is more predominant. That gives you ah, that gives you a good
25 picture of what this is. And that's how you can tell and many
26 blades are on each propeller. And that's basically what the
27 class function does for us.

28
29 MR. ROTH-ROFFY: And which watchstation is responsible? Was
30 that your duty to establish classification on the surface
31 contacts?

32
33 WIT: No, that duty falls under workload share operator. That
34 ah, that primary broadband, that guy's sole purpose is to detect
35 class, I mean detect and track contacts. He is primary safety
36 of the ship, he is going to find all the contacts and he is
37 going to keep tabs on who is where and what they are doing. And
38 then right next to him, is the workload share operator. He also
39 has passive broadband, but he can assign and deassign the class
40 function to get screw blade information on someone. And ah, the
41 class function well, we ah, we don't have a full, we don't have
42 a sonar suite a full busy one or a Q-10 sonar sweep. We have a
43 hybrid. We have 50/50, that is what it is. We have the time
44 share. That is what we have on our displays. So,
45 unfortunately, the class function cannot be left up all the
46 time. And we deassign it, but safety of the ship is the primary
47 function of both of these guys.

1
2 MR. ROTH-ROFFY: And you know that this screw blade information
3 was not indicated for these surface contacts? Was that unusual
4 or is that typical?

5
6 WIT: No, that, that is unusual. Because just an hour or two
7 before the screw blade information for several other contacts on
8 each page for example see right here Sierra 6, you have him here
9 on this page and you got screw blade information on him,
10 whatever information you have on him should have carried over on
11 him to at least the next page and try to update that
12 information, as much as possible if he has sped up, slowed down,
13 or whatever. You want make sure he is still doing the same
14 thing. I try to go back to it at least a half hour, every half
15 hour, 30 minutes to verify what we have on this guy or any
16 contact that we have.

17
18 MR. ROTH-ROFFY: Do you have any idea why there was no screw
19 blade information for those contacts?

20
21 WIT: No. Either, either they couldn't get any information or
22 the operator just didn't get it. One of the two.

23
24 LT HEDRICK: LT Hedrick, you weren't in the sonar, so you really
25 can't make that evaluation, correct? I mean, you weren't in
26 there when they had those contacts?

27
28 MR. ROTH-ROFFY: No, sorry, I am just referring to those
29 contacts during his watch.

30
31 WIT: Oh Yeah.

32
33 LT HEDRICK: I am sorry.

34
35 WIT: During my watch, yeah.

36
37 MR. ROTH-ROFFY: During your watch you had - - - -

38
39 WIT: No, during my watch if we had screw blade information it
40 went in the logs.

41
42 MR. ROTH-ROFFY: Okay for all the surface contacts Sierra 1
43 through, how many? How high did your Sierra count go?

44
45 WIT: What did I say. Till 2140. That is when the next log
46 keeper came in. And that went as high as ten.

1 MR. ROTH-ROFFY: So, four - - - -
2
3 WIT: And they got, and they got screw blade information for
4 Sierra's ten and eleven. But anything after eleven, it looks
5 like they didn't get any.
6
7 MR. ROTH-ROFFY: Okay.
8
9 WIT: No, they didn't. They didn't up until Sierra 17.
10 Which was on the 10th, which was the next Zulu day.
11
12 MR. ROTH-ROFFY: Okay, what I would like to do at this time is
13 pass the questioning to the next interviewer.
14
15 MR. WOODY: Bill Woody, NTSB. Just let me start by asking you
16 the names of the people you were on watch with. Who was on
17 watch with you?
18
19 WIT: Ah, Petty Officer Holmes was the supervisor, we had ah
20 Petty Officer Emmons he was also in there.
21
22 MR. WOODY: How is that spelled?
23
24 WIT: E-M-M-O-N-S. Ah, There was also Petty Officer Anderson,
25 he was out on the fathometer. This is all during the
26 maneuvering watch too. Um, but during my regular watch it was
27 myself, and Petty Officer Emmons, and the sonar supervisor,
28 Petty Officer Holmes.
29
30 MR. WOODY: Petty Officer Holmes. So, it was Petty Officer
31 Emmons was on the workload?
32
33 WIT: Yes.
34
35 MR. WOODY: One thing I wasn't clear about, you did say that,
36 that, using the ah, demodulation techniques that get shaft and
37 propeller, how about RPM'S, can you get that also?
38
39 WIT: Yes. You do calculations and you can get, you can get
40 engine RPM's - - - -
41
42 MR. WOODY: Describe the calculations just briefly?
43
44 WIT: Ah, can I do that sir.
45
46 MR. WOODY: It is not essential. Okay.
47

1 WIT: Okay, it is easy. Ah, everything is 60 cycle. Here in
2 the United States we run 60 plants, so the noise is demodulated
3 down to 60 hertz. You take that noise and whatever the shaft
4 line is multiply it by 60, boom you got RPM.
5
6 MR. WOODY: Thank you. Ah - - - -
7
8 LT HEDRICK: I am sorry MR. Woody I am going to have to
9 interrupt you. This is LT Hedrick. Um, The demodulated noise
10 information, um is a frequency. So it is noise or cycles per
11 second. If you take that per second information and multiply it
12 by 60 to get per minute. You get RPM data. It is independent
13 of ah, of ah, current frequency whether - - - -
14
15 MR. WOODY: Exactly.
16
17 LT HEDRICK: It doesn't make a difference of what flag the
18 vessel is.
19
20 MR. WOODY: Exactly. I was just using it as a simple
21 calculation of his best way to tell us how simple it was.
22
23 WIT: Whatever the vast line is times it by 60.
24
25 MR. WOODY: Is there any other reason that you can think of why
26 ah, in your experience why you couldn't get the shaft blade
27 information?
28
29 WIT: High sea state, that would, reception path, contact
30 presents a narrow aspect, ah, it could be a number of things, I
31 mean ah, there are so many variables.
32
33 MR. WOODY: Is it very common that you can't get shaft blade
34 information?
35
36 WIT: Is it common?
37
38 MR. WOODY: Yes.
39
40 WIT: Yeah, it could happen. Yes. Most of the time, if we are
41 in deep ocean and we want to track somebody, not run from them,
42 we are going to get information from them. But ah, there are
43 just times, where you have been just trying to - - - -
44
45 MR. WOODY: Just compare yourself to a local area like you were
46 in, like you were operating in?
47

1 WIT: Ah, it can be difficult, yeah.
2
3 MR. WOODY: It can be difficult?
4
5 WIT: Yes. It could be difficult. Sometimes I mean just coming
6 right out of Pearl Harbor, everybody is just shooting out of
7 that channel.
8
9 MR. WOODY: Okay. Now, you mentioned that the next watch came
10 on at 2140, which is 1140, ah, and you mentioned that was ah,
11 the supervisor - - - -
12
13 WIT: Petty Officer McGiboney - - - -
14
15 MR. WOODY: Petty Officer McGiboney.
16
17 WIT: He was the supervisor.
18
19 MR. WOODY: Who else was on that watch?
20
21 WIT: Petty Officer Bowie and SN Rhodes.
22
23 MR. WOODY: And what was their two positions, do you recall?
24
25 WIT: Petty Officer Bowie was the primary broadband operator and
26 SN Rhodes was the workload share operator.
27
28 MR. WOODY: As ah, primary, ah was SN Rhodes an experienced
29 watch stander.
30
31 WIT: Oh no. No, SN Rhodes like I said before he was the junior
32 most guy on the boat ah, he just got to the boat. He is
33 learning.
34
35 MR. WOODY: Was anyone in a oversight capacity to assist him,
36 or?
37
38 WIT: Other than his supervisor, no. And when I took him to
39 periscope depth, I mean yeah, you can count that as an oversight
40 when we went to periscope depth.
41
42 MR. WOODY: You were behind him when you went to periscope
43 depth?
44
45 WIT: Oh yes. That is something you don't play with.
46

1 MR. WOODY: You mentioned that you made sure that things were
2 set in sonar like they should be like earphones out and so forth
3 and one of the items you missed were charts. What use, ah, do
4 charts do you use, do you make in sonar?
5
6 WIT: For navigational purposes on the maneuvering watch, yeah.
7 coming in and out of the harbor here is pretty shallow water.
8 You may not have the same the same ah depth of water on one side
9 of the channel as you do 30 to 40 feet on each side of the
10 submarine, so you want to make sure one ship is on course and on
11 track based upon what the quartermaster of the watch is
12 plotting. And they bring in, they bring in it is kinda of cool
13 now, they bring in a little Plexiglas thing wheel and we plot
14 our position based upon what is on that wheel. And we know
15 where we are on the chart.
16
17 MR. WOODY: You mean you take something like ah, bearings and
18 things from radar in sonar - - -
19
20 WIT: Yes.
21
22 MR. WOODY: And figure out where you are and what your position
23 is?
24
25 WIT: Yes. And we also go active on the maneuvering watch.
26
27 MR. WOODY: You go active on the maneuvering watch?
28
29 WIT: Yes.
30
31 MR. WOODY: When you go active, what are the effects on the
32 sonar? And would you tell us if it is continuous pinging if it
33 is high powered or low powered, whatever?
34
35 WIT: You need, you need an experienced operator to operate
36 active. And you don't want to, you don't want to pound away - -
37 - -
38
39 MR. WOODY: Uh-um.
40
41 WIT: because you are going to soundify the environment. You
42 are not going to hear anything on passive broad band because now
43 you got all this reverberation in the water. Um, so the
44 experienced operator will go out with as little power as
45 possible to be able to get a return either off the bottom or,
46 all he is going to get is off the bottom, he is not going to be
47 able to get a good return on a contact on the surface with

1 active. And ah, basically what we go active for is to make sure
2 that there is no shoal water on either side or directly in
3 front.
4
5 MR. WOODY: Do you ever pick up buoys using your active sonar?
6
7 WIT: You may get lucky.
8
9 MR. WOODY: You may get lucky.
10
11 WIT: You may get lucky.
12
13 MR. WOODY: You may get lucky.
14
15 WIT: You may get lucky, but uh, you can actually hear the buoy
16 chains better than you can get an active return.
17
18 MR. WOODY: How about ships that might be coming in and out of
19 port?
20
21 WIT: No, not really. Its, no. You have too much bottom
22 reflection and the sound just goes everywhere. I mean you can
23 train it to go and look down a specific bearing, for example I
24 know the tug is right in front of us all the time prior to going
25 out, you try to get a ping on this guy and you can't. You can't
26 just because you can't.
27
28 MR. WOODY: Is that because of shallow water?
29
30 WIT: Shallow water. Shallow water the sound is just funneled
31 out.
32
33 MR. WOODY: How deep does the water have to be for you to get a
34 ping on a sub? I mean on the tugboat?
35
36 WIT: That is also a variable. It just depends. It depends on
37 the environment. It depends on sound conditions in the ocean,
38 it just depends. And coming in and out of the channel you
39 don't, you don't have a good, a good picture of what the
40 environment is like, because you have so much shipping density
41 there. You have so many ships coming in and out of there; it is
42 just noise everywhere. There is noise everywhere. You get
43 noise from buildings; you get noise from the highway, all of
44 that is broad band noise. And it is all going in the water.
45
46 MR. WOODY: If I hear you correctly, then you are saying that it
47 is primary use for a sounding device to look for shoals?

1
2 WIT: Yes.
3
4 MR. WOODY: Nothing more than that.
5
6 WIT: Yes. It is not used to track a contact on the surface,
7 no.
8
9 MR. WOODY: I was kind of interested in why you ah, where able
10 to come to sonar to be there for the ah ascent to periscope
11 depth? Where you asked to come in or was it something that you
12 just happened to be there or what?
13
14 WIT: No, I just went up, just like I said, I went up to go get
15 my jacket because I was running around the boat, the submarine
16 is an air conditioned environment. It is a controlled climate
17 and they like to keep it cool because we have a lot of computer
18 equipment on board. And ah, I, I get cold.
19
20 MR. WOODY: If you hadn't gone to get your jacket who would have
21 been standing behind Petty Officer, who was it?
22
23 WIT: SN Rhodes.
24
25 MR. WOODY: SN Rhodes.
26
27 WIT: It would have been the sonar supervisor.
28
29 MR. WOODY: The sonar supervisor.
30
31 WIT: Petty Officer McGiboney.
32
33 MR. WOODY: And you walked in. Ah, did you do that voluntarily
34 or did ah, did ah Petty Officer McGiboney ask you to stay and do
35 it?
36
37 WIT: When he saw that I came in he ah, and that I was ribbing
38 Rhodes he was like just do me a favor and just keep an eye on
39 him, and I was like okay, you know it, it was ribbing him, but
40 it was making sure that he was doing his job the right way,
41 teaching him the right way, ah, a guy can read but so much and
42 ah, try to absorb this information, you can have all the
43 technical knowledge and know how to do something on paper, but
44 it is much different when you see it in front of you for real.
45 For example, driving a car. You can read a manual and you know
46 that red means stop, green means go, but unless you know how
47 much gas to give the accelerator or how much pressure to put on

1 the brake, that car is going to do what it wants to do, you
2 can't control it. It is kinda of like off the beaten path, but
3 you got to do the job in order to know how to do the job. Its
4 hands on really.

5

6 MR. WOODY: You said that he is the newest person onboard, but
7 how long has he been in sonar shack?

8

9 WIT: He ah, he got to us during SRA, that is an availability
10 period in the shipyard. And um, he didn't do much work for
11 sonar, sonar wise, other than being the junior guy preserving
12 the ship and whatever ah, but ah, he did go out with us on what
13 they call out here an EASTPAK, that is sometime out in the
14 eastern pacific. Uh, like I said he is in the learning process
15 there.

16

17 MR. WOODY: Okay. Very well. I think I heard you say that you
18 heard two noises. The first noise you characterized as
19 something like bow planes hitting the water and you know that
20 that was not the case on your ship. How was the second noise?
21 How would you characterize that?

22

23 WIT: The initial noise I heard was a crack. It was a crack; it
24 was like a slack.

25

26 MR. WOODY: Alright.

27

28 WIT: And ah.

29

30 MR. WOODY: The second noise?

31

32 WIT: The second noise, I felt a shutter, kinda of, we came
33 down, bow was coming down at that point, and I'm like that is
34 not right. I knew it wasn't right, it was a shutter. And um,
35 it's not right. I stepped out into control and the captain was
36 on the scope.

37

38 MR. WOODY: Do you sometimes ah, get a noise when the bow comes
39 down? Well, when you make an emergency surface the bow comes
40 out of the water, the bow comes down, is there any noise
41 associated with that?

42

43 WIT: No. When ah, when you do, when you do an emergency blow
44 the bow planes should be housed. And um, you know that you are
45 going to surface. Um, I don't, and ah, there are times when you
46 go to periscope depth and you are not going to surface. You are
47 going to go immediately back down again and sometimes due to the

1 heat, due to the thermo cline in the ocean or the dive makes a
2 mistake the ship gets sucked up to the surface. And if it is a
3 rough sea state the bow can come up and come right back down and
4 at that point the bow planes are going to slap on top of the
5 ocean and it will rumble in front of the ship. And that is not
6 supposed to happen, but.

7
8 MR. WOODY: When you came into the sonar shack, did you ah, did
9 you start your ah, watches on the passive broadband or did you
10 start it on the workload share, or was it a mix of the two, to
11 get experience to become qualified?

12
13 WIT: I started on the, you see when I came in, when I actually
14 came into the sonar world there were no hybrid sonar systems. I
15 had the full busy one sonar system. And there was actually a
16 dedicated operator to the passive class function. So, I took
17 the workload share. And with the supervisor behind me and the
18 primary operator next to me, I would ask, "Is this a contact".
19 Yes that is a contact. Well how do I know that? Well you hear
20 this sound. Well okay, and now you look at it on class. That
21 is what a contact looks like. I'm like, okay, I would then try,
22 and this is weird, because you can have another trace and listen
23 to it and it may not sound any different to an untrained person
24 because it is biologics and ah, it would start to print up like
25 a contact, except that the lines are not real. It would look
26 like; it would look like a bunch of S's. Cat scratch. Its not,
27 its not a real contact. Unless you have that training you don't
28 know. And that is kind of what we do with the guys in there.

29
30 MR. WOODY: Okay. That is pretty good. Look at the log book
31 one more time.

32
33 WIT: Sure.

34
35 MR. WOODY: When you went off watch, were where the contacts
36 held by your watch? When you were relieved at um, 1140 or 2140,
37 excuse me?

38
39 WIT: 2140, it shows that they gained Sierra 10. So I would say
40 up to 9. And Sierra 9 went into the baffles bearing at 043.

41
42 MR. WOODY: Sierra 9 up to the time you were relieved at 2140,
43 is when they gained - - - -

44
45 WIT: Is when they gained Sierra 10, at that point.

1 MR. WOODY: Okay. So were you still tracking one of the
2 contacts?
3
4 WIT: What was that sir?
5
6 MR. WOODY: Whatever contacts were you still tracking at that
7 time?
8
9 WIT: They had ah, - - - -
10
11 MR. WOODY: On your watch.
12
13 WIT: Oh, on my watch. What ones were we tracking?
14
15 MR. WOODY: Still tracking? You may have to go back and see
16 which ones of them had faded.
17
18 WIT: Yeah we had, let me see, we had Sierra 7 going through in
19 the baffles at bearing 236, we gained Sierra 8 bearing 198, and
20 then Sierra 8 faded out bearing 201. The last one that we
21 gained was Sierra 9 and he went into the baffles bearing 043.
22 That was the last I saw, they didn't have any contacts.
23
24 MR. WOODY: Except Sierra 10?
25
26 WIT: No Sierra 10 was, ah, yeah they gained Sierra 10.
27
28 MR. WOODY: Just that one.
29
30 WIT: Yes, right at 2140.
31
32 MR. WOODY: Okay. How, how long are the current sonar equipment
33 that you have now would it require someone like ah SN Rhodes to
34 become a qualified sonar operator?
35
36 WIT: That's a, that's kind of tough.
37
38 MR. WOODY: Assuming that he is a class "A" School graduate?
39 And he also has qualifications in submarines to take care of.
40 What kind of time frame are we looking at?
41
42 WIT: It really depends on the individual. It really really
43 does, because some, class "A" School is a misnomer, that is just
44 a fundamental school. Don't think of it as "A" being that it is
45 the "A" number one school. No, it is the fundamental school.
46 Basically all they get, is hey this is sonar. This is what it
47 is. This is what you are going to do. Um, they get taught the

1 basic physical of sounding, things like that. So when they come
2 to the ship they try to apply this and it is not what it really
3 is, they are just getting the fundamentals. When they actually
4 see what it is, it is much different. SN Rhodes, he is okay.
5 How long is it going to take him to qualify, right now he's,
6 he's struggling a little and in light of the accident, I don't
7 know. I don't know what it is going to do to him. I mean ah
8 - - - -
9
10 MR. WOODY: I was asking the question looking for the typical
11 answer. I appreciate the input. Typically is there a range of
12 months from um, say 6 months to - - - -
13
14 WIT: To be a really, really good operator and understand
15 everything about 6 months.
16
17 MR. WOODY: About 6 months?
18
19 WIT: You should know, you can teach somebody on how to assign a
20 tracker and put a tracker in an automatic tracker file, an ATF,
21 you can teach somebody to do that in about 10 minutes.
22
23 MR. WOODY: Please explain what tracker means. Please explain
24 what tracker means?
25
26 WIT: Tracker?
27
28 MR. WOODY: Yes.
29
30 WIT: Okay. Ah, - - - -
31
32 MR. WOODY: How you have used it?
33
34 WIT: You get a, You get a, You get a trace on the display. You
35 have to follow this thing. In order for us to follow it and
36 know where, where it is at all times to send information to fire
37 control, you bring up the track function. It doesn't take
38 anything away from the display and you assign, assign a tracker
39 to it. Ah, just bring up audio tracker and bring your cursor to
40 the trace and you assign a tracker "A", "B", "C" or "D" to it.
41
42 MR. WOODY: Is that the numbers you have "A", "B", "C" or "D"?
43
44 WIT: "A", "B", "C", or "D"; and "H" and "I", for another array.
45
46 MR. WOODY: "A", "B", "C", "D", - - - -
47

1 WIT: "A", "B", "C", "D", or "H" "I". That's why on right here
2 on the logs you see tracker. "D" "B" "C" "B" "D" "C" "D" "B".

3
4 MR. WOODY: I understand. Thank you. I think that is all the
5 questions I have at this time. Thank you.

6 MR. STRAUCH: I am Barry Strauch. Um, I just have a few
7 questions for you. How long, can you tell us a little about
8 your background? How long have you been in the navy? What your
9 assignments have been? What you have done?

10
11 WIT: Let me see. I am a native of New York and I joined the
12 Navy in 1980, February of 89, so this year makes 12 years, this
13 month makes twelve years in the Navy. I went through Basic
14 Enlisted Submarine School and from there I went to California.
15 No, I am sorry. I went to Basic Training in California first
16 and then from there, right in California, in San Diego. I went
17 to basic electronics school, digital electronics training. And
18 from there they flew me out to Groton, Connecticut for Basic
19 Enlisted Submarine School. From there, they flew me back to San
20 Diego, where I attended my "A" School, my fundamental school and
21 then "C" School on the Q5 system. And from there I flew to
22 Groton, Connecticut for my first submarine, which was the USS
23 SAN JUAN, which is identical in all respects to the USS
24 GREENVILLE, with the only exception that the USS GREENVILLE is
25 not 100 percent equipped to surface threw the ice at the polar
26 cap and we did that on the SAN JUAN. Um, I stayed 5 and half
27 years onboard the USS SAN JUAN. I qualified everything up to
28 sonar supervisor on the USS SAN JUAN and then I was eventually
29 command advanced to the present rank that I hold, first class
30 from there; I went to recruiting duty in New York City and I
31 spent three and half years there. And then another year and a
32 half in Groton, Connecticut getting back up to speed on all the,
33 they sent me back to school to learn everything that I had
34 missed that happened in the world. I mean, Russia fell it
35 crumbled and now they are not our primary threat and so
36 basically getting me tactically up to snuff. I reported onboard
37 the USS GREENVILLE in August. And that was for the ship yard
38 period and I took it sea, I took the GREENVILLE to sea for the
39 first time, whatever that EASTPAK was. I am currently working
40 on requalifing on sonar supervisor.

41
42 MR. STRAUCH: I am from Brooklyn by the way.

43
44 WIT: Oh, cool.

45
46 MR. STRAUCH: And you had said that you had dealt with
47 civilians, you had talked to them and greeted them?

1
2 WIT: Yes. Yes.
3
4 MR. STRAUCH: How many civilians were there?
5
6 WIT: There were a few. I would have to say 15, 15 or so.
7
8 MR. STRAUCH: When you have civilians onboard how does this
9 number compare, more or less, or about the same?
10
11 WIT: It depends. It really depends. I have seen it as high as
12 30, but you know, it depends, it really depends on what the
13 evolution is. I mean there are times that we take civilian
14 riders at to sea, because they are the technical, these are the
15 guys that put the ship together. So you may have a whole
16 berthing area full of these guys because they have to test the
17 systems. So, it is not uncommon to have civilians underway.
18
19 MR. STRAUCH: Where any of these civilian technically
20 orientated?
21
22 WIT: I don't know. I didn't, I didn't, they really had more
23 questions for us. Like what's this and what's that. I mean it
24 was really a show and tell kind of thing.
25
26 MR. STRAUCH: Did they touch anything?
27
28 WIT: Nothing that we didn't know about. I mean, we I mean in
29 the bathroom you have to go and show them how to use the
30 bathroom because it doesn't, it is not a regular toilet like,
31 like at home. It is a series of levers and things that you have
32 to utilize, but they did not touch anything to operate the ship.
33 Other than what as been put out in the press already.
34
35 MR. STRAUCH: Um, You said that you went off duty to have lunch
36 and came back, and after lunch you went back to get your jacket.
37 And at what point was it that the collision occurred, when you
38 felt the shutter and everything?
39
40 WIT: The collision was after we ah, well after we went to
41 periscope depth safely we did what is called an emergency deep.
42 It is not an uncommon procedure; it is just quickly getting the
43 ship under the water to a specific depth determined by the
44 officer of the deck or commanding officer already. And we got
45 to that depth and at that point they blew. After the emergency
46 blow is when the collision took place.
47

1 MR. STRAUCH: And how long after you had gone up to get your
2 jacket did all this occur?
3
4 WIT: Ah, let me see. I stayed in sonar for the periscope
5 evolution. And I left sonar to get the supervisor a head call.
6 Ah, they started blowing, I mean it could be, I'd say anywhere
7 between 10 to 15 minutes from the entire time that I stepped in
8 to it actually happened.
9
10 MR. STRAUCH: Now you went back to get your jacket you said.
11 You were not on duty at that time?
12
13 WIT: Right, that is correct.
14
15 MR. STRAUCH: So you, did you have a look as to what was going
16 on that would have been equivalent to what you would have had,
17 if you would have been on duty?
18
19 WIT: Do you mean that I got a look at the screen and get a
20 contact picture?
21
22 MR. STRAUCH: Yes.
23
24 WIT: Yes I did, cause I was there for the periscope depth
25 evolution.
26
27 MR. STRAUCH: So what you saw at that point would have been no
28 different than had you been on duty?
29
30 WIT: Right.
31
32 MR. STRAUCH: And you didn't see any any anything related to
33 this particular vessel?
34
35 WIT: Oh no. Oh no there wasn't anything classic about it at
36 all.
37
38 MR. STRAUCH: And you said that ah, it would be unusual that
39 there would be no contact?
40
41 WIT: I said that it would be unusual that there would be no
42 contact?
43
44 MR. STRAUCH: Right. I think that was your word "unusual".
45
46 WIT: No, it would be unusual to not pick up a contact.
47

1 MR. STRAUCH: Okay. Alright. So this would fall under that
2 category of unusual?
3
4 WIT: Oh this is weird. This is unlike anything I have ever
5 seen. I mean that I have never experienced anything like this.
6 MR. STRAUCH: In what way?
7
8 WIT: Contacts just don't materialize out of the air. We were
9 tracking from what I see in the logs, two contacts, Sierra's 12
10 and 13 and Sierra 10 was in the baffles and from what I saw of
11 the contact picture these guys had extremely, not extremely, but
12 they had a low bearing to the left. When we cleared baffles, we
13 cleared baffles to the right. And we came up on a southerly
14 course, I don't know the number, I don't know where we came up.
15 We went up to periscope depth and there was nothing there.
16 There was absolutely nothing there. They didn't see anything
17 visually. Um, ESM report no close contacts. I got a warm
18 fuzzy, I was like yes, we are good. I mean, it's always a hairy
19 situation because sometimes you come up and there may be a
20 fishing vessel there, trolling. But you would here is winches,
21 you would hear his chains, you would hear, you would hear the
22 guys running around stomping and dropping stuff on the deck. We
23 heard nothing. We heard nothing, and ah here comes the bump. I
24 said that was not right. And I looked on the display and they
25 still had these contacts in ATF, and I was like what the hell
26 was that, you know and unfortunately the rest is history.
27
28 MR. STRAUCH: ATF is Automatic Tracking Functions?
29
30 WIT: Automatic Target Follow.
31
32 MR. STRAUCH: Target Follow. Close enough. Um, could you
33 explain what that is?
34
35 WIT: Um, The computer zeros in on the sound, the sound energy
36 coming from the contact and it knows where the contact is and it
37 automatically follows, your ah, wow, that is a good question.
38 It ah, the computer locks into the sound source and it won't let
39 it go, it has targeting algorithms in it, it will follow this
40 sound source wherever it goes up until it goes into the baffles
41 and in which case you have to deassign it because now if it goes
42 into the baffles you are sending erroneous bearings to fire
43 control, so that is not good.
44
45 MR. STRAUCH: Okay.
46

1 WIT: You are going to end up, if there was a warship that you
2 wanted to sink it would be shooting own ship.
3
4 MR. STRAUCH: And this is standard that you use ATF?
5
6 WIT: That, yes.
7
8 MR. STRAUCH: All the time?
9
10 WIT: The only time you would not use ATF is if you have a very
11 very low signal to noise ratio contact, SNR contact. The guy,
12 is moving and he is doing everything but he, you can't hear, he
13 is not loud at all and the tracker is wondering all over the
14 place and you don't want to send bad bearings back to fire
15 control, so you would put the tracker up on the display and you
16 would buzz bearings to this contact. That's what, I mean you
17 are still tracking him, but not automatically. You are still
18 sending good bearings to fire control.
19
20 MR. STRAUCH: So the fact that this target was missed. Meant
21 that ATF failed to pick up on the sound - - - -
22
23 WIT: No.
24
25 MR. STRAUCH: Or the sound wasn't there?
26
27 WIT: Oh not at all. It doesn't mean that at all. It, this
28 target was missed, because it wasn't there. We didn't hear it.
29 We can hear buoy chains up to 10 to 12 miles away. We can hear
30 an idling engine up to 10 to 12 miles away. If something is
31 making noise in the water, you are going to hear it, unless you
32 have sound conditions that that don't allow that. But ah, this
33 is, I cannot explain why this was not there.
34
35 MR. STRAUCH: What do you mean by sound conditions that don't
36 allow?
37
38 WIT: If you have an, If you have, hot and cold don't mix, if
39 you have an extremely warm layer of water above you and cold
40 water beneath that sound is not going to get through there very
41 very well. So you are not going to hear through this layer.
42 Sound is being bounced off in different directions. Its not ah,
43 think of it as a refracting light or reflective light it is just
44 going in the other way.
45
46 MR. STRAUCH: Did you have those conditions at the time of the
47 accident?

1
2 WIT: No, not that I know of.
3
4 MR. STRAUCH: How would you have know?
5
6 WIT: Either a depth dispersion, historical sound velocity sound
7 profile, actually shoot a probe to determine what the sound
8 velocities in the water where.
9
10 MR. STRAUCH: Did you do that?
11
12 WIT: No, not that I know of. I know that we didn't do that on
13 my watch. I can't say if Petty Officer McGiboney did it on his.
14 I honestly don't know.
15
16 MR. STRAUCH: Is it possibly that you had these unusual sound
17 conditions, but wouldn't have known about it.
18
19 WIT: No, I don't think so.
20
21 MR. STRAUCH: When was the last time that ah, forgive me if I am
22 using the wrong terminology, the last time a sound measurement
23 was made, ah before the ship collided?
24
25 WIT: I don't know.
26
27 MR. STRAUCH: Would there be some kind of log that would, that
28 would document when sound measurements are made and when they
29 stopped?
30
31 WIT: This information is stored in the busy one system
32 computer, but ah, there was, no.
33
34 MR. STRAUCH: The busy one system computer, what does that
35 record?
36
37 WIT: You can, You can record any sound velocity profiles in
38 there.
39
40 MR. STRAUCH: Is that done automatically, or does something have
41 to?
42
43 WIT: You have to actually assign it and store this data.
44
45 MR. STRAUCH: Okay. Was that done?
46
47 WIT: I don't know.

1
2 MR. STRAUCH: Who would do that?
3
4 WIT: The sonar supervisor would do that.
5
6 MR. STRAUCH: Is that something that is done automatically or
7 routinely, or how do you do it?
8
9 WIT: You shoot a SIBBT, or you shoot a probe whenever you want
10 to get, whenever you want to operate in a area and you want to
11 know what the sound conditions in that area is. For local OP
12 areas out here, we know more or less what the environment is and
13 the water depth is actually too shallow to change sound
14 conditions. So, shooting a probe here in the local OP areas is
15 not necessary, you pretty much got ISO velocity.
16
17 MR. STRAUCH: That is something you would do if you were out to
18 sea?
19
20 WIT: Deep ocean, yes.
21
22 MR. STRAUCH: But here you weren't because you were close to
23 shore?
24
25 WIT: Yes.
26
27 MR. STRAUCH: What other things would you have done differently
28 than you would do if you were out at sea because you were too
29 close to shore?
30
31 WIT: It is hard to say, I mean ah, we weren't ah, we didn't
32 operate any differently. We didn't operate any differently than
33 we would, the only difference was that there was civilians
34 onboard and ah, they just wanted to see what we do.
35
36 MR. STRAUCH: You just said that you would send a sound probe
37 out if you were in deep ocean, but you didn't do that here?
38
39 WIT: No, you would send out a probe if you get into a specific
40 area that you want to operate in tactically.
41
42 MR. STRAUCH: I see. Um, you said the captain said IMA JIMA, um
43 now you were in the sonar room when the collision occurred?
44
45 WIT: I was standing right by the aft sonar door, directly
46 adjacent to the control room.
47

1 MR. STRAUCH: So you could see - - - -
2
3 WIT: The door was open.
4
5 MR. STRAUCH: So you could see and hear what was going on?
6 WIT: There was a curtain. There was a curtain, so I opened the
7 curtain and I looked at the captain, who was on the periscope.
8
9 MR. STRAUCH: Um, when you heard him say this, how much time had
10 elapsed between when you felt the shutter and him saying?
11
12 WIT: I heard the crack of what I thought was bow planes, but I
13 knew it wasn't, I felt the shutter. I said what is that and I
14 jumped out into control. The captain was on the scope and he
15 said "IMA JIMA".
16
17 MR. STRAUCH: What was his manner, his tone of voice?
18
19 WIT: He was just as surprised as everyone else.
20
21 MR. STRAUCH: Um, Now did any, did ah, what was your sense as to
22 what that meant, "IMA JIMA", and whether other people had the
23 same sense that you did about it?
24
25 WIT: When he said "IMA JIMA", I knew it was a ship. You don't
26 ah, on the way up to periscope depth on any vertical ascent you
27 don't just say hey there is a contact here or whatever because
28 it is a close aboard contact and an immediate threat to own ship
29 you are not just going to blurt that information out, only if it
30 is an intermediate hazard, he said because it was there and
31 something bad happened, and ah I knew it was bad, when he said
32 that "we are going to render assistance", he said that almost
33 immediately. I took off like a shot to go get; I went to do
34 what I had to do, which was render assistance.
35
36 MR. STRAUCH: Okay, I don't have any more questions. Thank you.
37
38
39 LT HEDRICK: Good morning, Petty Officer Reyes, LT Hedrick. I
40 am going to start with ah, some background questions. Um, what
41 is your role in the sonar division? Are you an LPO, ALPO, or
42 anything like that? I am sorry leading petty officer or
43 assistant leading petty officer?
44
45 WIT: I guess you can say that I am an assistant. I am not the
46 senior first class within the division, so I am one of the two
47 assistants.

1
2 LT HEDRICK: Okay. Ah, do you happen to recall how many
3 personnel are assigned to sonar division on the GREENVILLE?
4
5 WIT: I think we have now, ah, fifteen guys now as a matter of
6 fact, we just got a guy who reported in.
7
8 LT HEDRICK: Ah, a new guy that just reported in, was that
9 before February 9.
10
11 WIT: After.
12
13 LT HEDRICK: Okay, so 14 personnel assigned to sonar division on
14 February 9th, does that include your chief?
15
16 WIT: I kinda of missed him, but I would say yes, 14 including
17 the chief.
18
19 LT HEDRICK: 14 including the chief. Of those 14 people, how
20 many normally stand watch in sonar during an underway period? I
21 am asking the question because sometimes the senior personnel,
22 like the chief might sometimes stand watch in control rather
23 than in sonar and also because sometimes junior personnel are
24 assigned to be working on the mess decks as opposed to standing
25 watch sonar their first few months on board.
26
27 WIT: Yes sir. Ah, the chief stands watch in sonar. He is one
28 of three supervisors. Ah, the junior personnel we have onboard
29 right now are not working with the cooks, mess cranking. And
30 ah, for a period we had one, two, we had three of our operators
31 out of sonar, because they were working on helmsman and
32 planesman qualifications.
33
34 LT HEDRICK: For a period, we're you talking about - - -
35
36 WIT: Prior to the underway, yes.
37
38 LT HEDRICK: Prior to the underway?
39
40 WIT: Yes.
41
42 LT HEDRICK: So your last underway that EASTPAK three of your
43 folks were doing the planes?
44
45 WIT: Yes.
46
47 LT HEDRICK: Okay. What about this underway period?

1
2 WIT: This underway period - - - -
3
4 LT HEDRICK: Let me rephrase that question. The last time you
5 were underway, you had 14 people assigned to sonar; one of them
6 was a chief standing watch in control three that were assigned
7 to the planes?
8
9 WIT: Yes, sir.
10
11 LT HEDRICK: So you had ten watchstanders standing watch in
12 sonar, during the underway? And those 10 watchstanders manned
13 what watch rotation last the underway, the EASTPAK?
14
15 WIT: 6 hours on, 12 hours off. 18 hour days roughly.
16
17 LT HEDRICK: Two sections? Three sections?
18
19 WIT: Three sections.
20
21 LT HEDRICK: Three sections. You didn't have any folks, port
22 and starboard?
23
24 WIT: Ah, no. The guys that got the good deal, were the guys on
25 the helmsman and planesman, they were four sections.
26
27 LT HEDRICK: Okay. Um, how many sonar techs got underway with
28 you on February 9th.
29
30 WIT: Oh, we left - - - -
31
32 LT HEDRICK: How many sonar, that includes, well including the
33 chief, I guess?
34
35 WIT: The chief stayed in port, along with um, with a watch
36 section, he stayed in port with a watch section and they were at
37 the attack centers. That is an area we were go and assimilate
38 everything. We assimilate like we are underway. We work; we
39 dedicate that time specifically to how we would operate
40 tactically.
41
42 LT HEDRICK: So how many sonar techs got underway?
43
44 WIT: I want to say eight, but I am not sure.
45
46 LT HEDRICK: Okay. Um, with the towed array housed, what is the
47 normal number of watchstanders in sonar?

1
2 WIT: Including the supervisor, three.
3
4 LT HEDRICK: So it would be the supervisor and two operators?
5
6 WIT: Yes, sir.
7
8 LT HEDRICK: What is your senior in rate qualification?
9
10 WIT: Right now, I am in the process of requalifying sonar
11 supervisor.
12
13 LT HEDRICK: So you were qualified sonar sup on another ship?
14
15 WIT: Yes, sir. Yes, sir. Same class of ship 688I, as a matter
16 of fact it was the first 688I, the USS SAN JUAN.
17
18 LT HEDRICK: How many years ago was it? How long has it been
19 since you stood a sonar supervisor watch?
20
21 WIT: The last time I stood a sonar supervisor watch was in 19,
22 when did I leave, 96, 95 96.
23
24 LT HEDRICK: How long have you been assigned to GREENVILLE?
25
26 WIT: I have been on the USS GREENVILLE since August.
27
28 LT HEDRICK: August. So you made this EASTPAK deployment?
29
30 WIT: Yes I did.
31
32 LT HEDRICK: You have had some time to refresh your skills?
33
34 WIT: Yes. Yes, rather forcibly.
35
36 LT HEDRICK: Um, I know that we don't have the employment
37 guidelines available right here, but do you happen to recall
38 what the required number of qualified watchstanders is, the
39 minimum, for a towed array deployed, submerged?
40
41 WIT: Yes. You are supposed to have, well for our specific
42 configuration you are to have four operators and the supervisor.
43
44 LT HEDRICK: Four operators and a supervisor?
45
46 WIT: Yes.
47

1 LT HEDRICK: And that is a minimum number?
2
3 WIT: Yes. I was told that if towed array is deployed the AHS
4 and DAHS, are manned.
5
6 LT HEDRICK: No, I am saying for the towed arrays housed?
7
8 WIT: Oh, housed.
9
10 LT HEDRICK: Yes, what is the condition that the GREENVILLE was
11 in, the minimum number of qualified watches in sonar would be
12 the supervisor - - - -
13
14 WIT: The supervisor and the two operators, so it would be three
15 total. And I don't know if that is correct.
16
17 LT HEDRICK: Right. Um, but you do know that ah, SN Rhodes is
18 not qualified to stand a sonar watch?
19
20 WIT: Yes, sir.
21
22 LT HEDRICK: He is in training?
23
24 WIT: Yes, sir.
25
26 LT HEDRICK: Um, as a broadband operator, is it in your area of
27 responsibility to track the obtaining of sound speed profile and
28 rather or not a current one is available?
29
30 WIT: As a broadband operator? No.
31
32 LT HEDRICK: Okay. Ah, name a couple of watch stations that ah,
33 would be involved in that or would share or would have something
34 to do with that responsibility?
35
36 WIT: Ah, the fire control, the controlman of the watch they
37 normally keep sound velocity watch. The chief of the watch is
38 always ah, calling ah, calls maneuvering to have them to get sea
39 water temperature so that is three guys there. Um, and the
40 workload share operator will actually get the sound velocity or
41 the actual sound velocity on the display that is right within
42 his reach in the sonar shack, so that is four guys.
43
44 LT HEDRICK: Okay. Um, then feel free to look at the logs
45 during your watch period if you wish you had stated that you had
46 tracked several contacts on your watch?
47

1 WIT: Yes, sir.
2
3 LT HEDRICK: You had to be able to get screw blade from those
4 contacts, were any of those contacts to the north? During your
5 watch, say ah, somewhere between 325 and 030?
6
7 (The witness reviewed the logs.)
8
9 WIT: We had, ah yes, sir we did. We had a few actually.
10
11 LT HEDRICK: You had a few contacts to the north?
12
13 WIT: Most of them.
14
15 LT HEDRICK: And using the logs as a reminder, do you think you
16 had a good track on those contacts?
17
18 WIT: Oh, absolutely.
19
20 LT HEDRICK: Okay.
21
22 WIT: I mean we had positive signal to noise ratio on almost all
23 of them. The only time when SNR dropped off is when they were
24 going towards the baffles.
25
26 CDR CACCIVIO: I really have to interrupt here. This is CDR
27 CACCIVIO. We need to take a second here really quick. Can we
28 just stop please?
29
30 LT HEDRICK: Okay we are back here. We took a sixty-second
31 break here for CDR CACCIVIO to ask a question of me, LT HEDRICK,
32 continuing with my questioning of Petty Officer Reyes. Um, of
33 the roughly 8 personnel you took to sea on February 9th were all
34 those personnel assigned to stand watch in sonar or where they
35 supposed to stand watch somewhere else?
36
37 WIT: Yes, sir. Ah, Petty Officer Anderson was on the
38 fathometer. Um, that is three six and ah, I guess the other guy
39 was rotating with him on the fathometer as well.
40
41 LT HEDRICK: So and I realize that you didn't write the
42 watchbill, but to the best of your knowledge two sonarmen where
43 assigned to the fathometer watch that day?
44
45 WIT: Yes, sir.
46

1 LT HEDRICK: Okay. Do you happen to recall in general, what the
2 watchbill was like for the day, what the plan was, as far as
3 number of sections, number of expected watch relief's, I know
4 you have said about that there was a maneuvering watch there was
5 a morning watch, that you stood. What was the rough plan for
6 the rest of the day?
7
8 WIT: The rough plan was ah, we were going to split the day
9 right down the middle and ah maneuvering watch is maneuvering
10 watch, everybody is on watch during that time anyway. So, if
11 you just happen to have the first watch right after that, hey so
12 be it. You know, take the watch, eat lunch, and then you are
13 off. And just go through and mangle with the guests, let them
14 know who you are, don't be afraid um, it was like I said before,
15 it was a pretty routine day. And um, and um, the plan was for
16 the emergency blow and then we were going to transit right back
17 home. We were on our last legs; we were on our way home.
18
19 LT HEDRICK: So, of the eight watchstanders, the eight sonarmen,
20 um that you took with you underway, two were out in the
21 fathometer, there was your watch section, another watch section
22 of three personnel, that would make 8. To the best of your
23 knowledge, the watch section that you were in are all of those,
24 there is a sonar supervisor, correct?
25
26 WIT: Yes, sir.
27
28 LT HEDRICK: And he is qualified sonar supervisor?
29
30 WIT: Yes, sir.
31
32 LT HEDRICK: And you are qualified broadband operator, in basic
33 sonar?
34
35 WIT: Yes, yes.
36
37 LT HEDRICK: The other operator in your section is he qualified
38 sonar operator?
39
40 WIT: Yes.
41
42 LT HEDRICK: So, SN Rhodes was the only unqualified watchstander
43 unqualified to stand watch in sonar?
44
45 WIT: Yes, sir.
46

1 LT HEDRICK: Okay. Um, you mentioned something about ah,
2 classifying a contact and how you would have to assign part of
3 your workload share stack to reclass function to obtain the
4 screw blade and RPM information. Are there any other pieces of
5 gear in sonar that would allow you to obtain class information?
6
7 WIT: Yes, sir.
8
9 LT HEDRICK: Not anything else that is associated with towed
10 array which was housed because of surfacing evolution?
11
12 WIT: Yes sir. We have what you call the BQR 22, that is just a
13 number designator for the spectrum analyzer that we have onboard
14 and um, unfortunately that piece of equipment was tagged out
15 because of, because - - - -
16
17 LT HEDRICK: Was it for routine maintenance or was it because of
18 a material failure?
19
20 WIT: A little of both. It was a little of both, we had a
21 screen fail in control and ah they didn't want it there anymore
22 so we were in a process of trying to turn it back into supply.
23 It was better to deal with it after the underway then - - - -
24
25 LT HEDRICK: Would it have been possible, in your opinion, would
26 it have been possible to operate the spectrum analyzer with the
27 controller unit in the fail mode it was but still be able to use
28 the BQR 22 in sonar?
29
30 WIT: No sir, because it was tagged out completely. It was
31 tagged out electrically.
32
33 LT HEDRICK: Was it tagged out because of supplying power to the
34 system would have been unsafe, because of the condition unit in
35 control or was it tagged out to make it safe for when you
36 started moving it?
37
38 WIT: No sir. It was tagged out for both reasons, because the
39 unit in control the screen was removed and there was no way of
40 knowing if power to the unit in sonar was going to completely
41 isolate electrical current to the open, open end cables that
42 were in control, so has as many guests that we had onboard. Not
43 to many bright guys, I mean guys would do whatever and just grab
44 wires you know. I mean guys - - - -
45
46 LT HEDRICK: Any other pieces of gear available to you in sonar
47 for you to obtain this class status?

1
2 WIT: Aside from classification function and BQR 22, that is
3 also a spectrum analyzer that is it. I mean the arrays were in
4 and we couldn't do it on the EWS's, I don't even know what that
5 is does are.

6
7 LT HEDRICK: Do you happen to recall what the range of the day
8 was for a merchant?

9
10 WIT: No sir, I don't. No, I do not.

11
12 LT HEDRICK: Is that something that is normally calculated or
13 determined or?

14
15 WIT: Yes sir, it is something that is calculated or determined
16 every time for the search plane.

17
18 LT HEDRICK: Who's area of responsibility is it to ah, to be
19 aware of that and pay attention to that, who?

20
21 WIT: Sonar supervisor sir. Sonar supervisor's and they pass
22 that down to the operators. Because they hey, you pick up a
23 contact on the sphere, on the towed array, typically the range
24 is going to be whatever, they will tell you, but I cannot
25 honestly remember what the range is, for that day.

26
27 LT HEDRICK: I am going to try to transition a little away now
28 from some of this background information that you gave us and
29 talk a little bit more about the ah, the time you were in sonar
30 associated with periscope depth and the collision.

31
32 LT JOHNSON: Excuse me Lieutenant. This is LT Johnson. Can we
33 take about a 5-minute comfort break because this is going to go
34 on for a bit? I need a break. Can we do that?

35
36 LT HEDRICK: Okay. Continuing on with the interview at 1000,
37 local LT Hedrick, questions Petty Officer Reyes. Going back to
38 the time where ah, where you came back into sonar, at lot of
39 this is just to be to clarify what you had said during your own
40 time line. Um, when you walked back into sonar to get your
41 jacket, can you tell me who you saw in sonar, how many folks?

42
43 WIT: There were ah, there were a few ah, it was it was about
44 five. Five of them hovering over SN Rhodes and Bowie, and Petty
45 Officer McGiboney at the forward side of sonar.

1 LT HEDRICK: So that is the three watchstanders, right? Rhodes,
2 Bowie, and McGiboney?
3
4 WIT: Yes, sir.
5
6 LT HEDRICK: And who else, to the best of your recollection?
7
8 WIT: Ah, the civilian guests.
9
10 LT HEDRICK: How many civilian guests were in sonar?
11
12 WIT: There were about five or so. I don't know if you
13 gentleman have, I am sure you have sir, the sonar shack isn't a
14 very big room. You gentleman went down there, you saw that it
15 is not a very big room. And if you got these two guys sitting
16 in those chairs and you have five people around them that is
17 pretty cramped and everybody is like "let me in here", and we
18 are like slow down. I ah, I made my way through there and I was
19 like look "ladies and gentleman this is sonar this is what is
20 about, this way they could operate." And ah, if there was
21 something that they could listen to and we had the extra set of
22 headphones we let them listen to that. And but ah, I didn't
23 want, I didn't want them being distracted and McGiboney getting
24 yelled at by the OOD by not maintaining positive control.
25
26 LT HEDRICK: Okay. I want to make sure that I am not confused.
27 At this point when you walked into sonar, you were using an
28 extra set of headphones and passing that around to the civilian
29 guests?
30
31 WIT: Yes, sir. We have a supervisor head set that hangs over
32 the side and then there are two jacks where you can listen to
33 audio and there were extra headsets specifically set out for
34 that.
35
36 LT HEDRICK: At what point did the guests leave sonar?
37
38 WIT: They left when we were making preparations for periscope
39 depth because all the action was going to be out of sonar, it
40 would be in control. And ah, - - - -
41
42 LT HEDRICK: And what prompted them to leave?
43
44 WIT: 1MC announcements. The captain was making 1MC
45 announcements, the 1MC is the the PA system if you will and he
46 was letting them know what exactly was going to be happening
47 every step of the way. And ah, at that time, he said "We are

1 making preparations to go up, take a look around, and then we
2 are going to go deep and blow". They wanted to be there for all
3 of that.
4
5 LT HEDRICK: So, on the 1MC the captain said something to the
6 effect of we are making preparations to go to periscope depth?
7
8 WIT: Yes, sir.
9
10 LT HEDRICK: Did he use the 1MC to request that the visitors
11 exit sonar or come to control?
12
13 WIT: He didn't request them to ah, exit or anything. He just
14 made the statement and ah, that's were it is going to be if you
15 really want to see something, experience something. That's were
16 it is at. And they kind of went out there "Oh, cool, cool".
17 You know, I want to see what is happening.
18
19 LT HEDRICK: Okay. So you translated the CO's 1MC announcement
20 - - - -
21
22 WIT: Pretty much.
23
24 LT HEDRICK: And all five guests pretty much left at that same
25 point and went out?
26
27 WIT: Oh yeah. Oh yes. Sonar shack was empty of guests and the
28 only guys that were in there at that time was the supervisor and
29 the two operators and ah, the way up that is when I started
30 ribbing SN Rhodes and ah, we made the ascent to periscope depth
31 okay.
32
33 LT HEDRICK: Okay. Um, now you are previously qualified as a
34 sonar supervisor, so you have a rough idea of what normally
35 would happen when the ship is doing an excursion to periscope
36 depth. I realize that you weren't on watch, you had been out of
37 sonar a few minutes, but when you came into sonar what do you
38 think was going on, what was the ship doing? Did they start
39 making preps yet?
40
41 WIT: They had not made preps yet, sir. They ah, as a matter of
42 fact, we had just finished doing what is called angles and
43 dangles.
44
45 LT HEDRICK: Just finished angles and dangles when you walked
46 in?
47

1 WIT: Yes, sir. And ah, civilians were all there. The
2 announcement was made that we were going up. I ushered them
3 out. We cleared baffles to the right and - -
4
5 LT HEDRICK: Were you in sonar during the baffle clearing?
6
7 WIT: Yes, sir I was. We cleared baffles to the right. We
8 cleared over 120 degrees and I don't remember what course we
9 went up on, it was to the south I think.
10
11 LT HEDRICK: Where the civilians in sonar during the baffle
12 clearing?
13
14 WIT: No sir, they were not. I was standing at the - - - -
15
16 LT HEDRICK: How do you know that this was a baffle clear
17 maneuver.
18
19 WIT: Because they said, "clearing baffles to the right".
20
21 LT HEDRICK: Who is they?
22
23 WIT: The OOD.
24
25 LT HEDRICK: The OOD said that?
26
27 WIT: Yes, sir.
28
29 LT HEDRICK: And you heard him because of, how did you hear the
30 officer of the deck?
31
32 WIT: I heard him over the open mike.
33
34 LT HEDRICK: You heard the officer of the deck over the open
35 mike. Um, and once again to make sure that this is clear for
36 the record, um you heard the officer of the deck over the open
37 mike say "we are clearing baffles to the right", and at this
38 point, personnel in sonar where three watchstanders:
39 McGibboney, Bowie, Rhodes and yourself. There were no other
40 military personnel in sonar or VIP's.
41
42 WIT: The XO was standing right next to me, with one foot in
43 sonar and one foot in control.
44
45 LT HEDRICK: The XO in sonar. Okay. One foot in sonar and one
46 foot in control?
47

1 WIT: He was right at the door. He was right at the door. He
2 was standing right next to me.
3
4 LT HEDRICK: Do you have any idea what he was doing there?
5
6 WIT: Pretty much what the rest of the crew was doing, making
7 sure the civilians were not getting in trouble and just putting
8 on the happy face, like I am the XO, but we didn't,
9 unfortunately, when we stationed the maneuvering watch ah, we
10 have a display the ASVDU, out in control. It fried on us. One
11 of the deflection amps fried, if you guys are familiar with how
12 a television works there is a bunch of ray guns in there and
13 everything got compressed onto one side. So there was no date
14 coming from that. So the officer of the deck couldn't see what
15 was going on in sonar, because at a touch of a button he can
16 bring up anyone of our displays and unfortunately that fried on
17 us. And during the maneuvering watch he called for someone out
18 in sonar to come up to control and he asked what is wrong with
19 this. Just by looking at it, we knew, we knew right away, just
20 do to experience and "sir, one of the deflection amps went, if
21 you want we can rack it out right now, and pull the part from
22 supply and fix it". But ah, we were rocking and there were
23 civilians onboard and it is energized gear. So ah, he goes "no,
24 don't worry about it, we will fix it when we get in port". I
25 said "sir that is a good idea".
26
27 MR. ROTH-ROFFY: I am sorry. Ballpark time that failed?
28
29 WIT: It was like station the maneuvering watch, we were
30 shutting the weapons ammunition hatch, the civilians were
31 already onboard and ah I really, I really can't give a time, we
32 were on the maneuvering watch. It was in the beginning of it
33 sir.
34
35 LT HEDRICK: Was the ship still moored?
36
37 WIT: I would say no. I would have to say no.
38
39 LT HEDRICK: Okay. So it was - -
40
41 WIT: It was, It was very close.
42
43 LT HEDRICK: It wasn't before you got underway or it was right
44 after you cast off the lines from the pier?
45
46 WIT: Yes, sir. And once the AVSDU was gone the OOD couldn't
47 see, so the XO was there standing next to me and I had a

1 question about one contact, Sierra 10. Because while we were
2 doing angles and dangles, we had what you call an closing
3 interference pattern.
4
5 LT HEDRICK: This is a watch classification?
6
7 WIT: Yes, sir.
8
9 LT HEDRICK: It appeared that he was closing?
10
11 WIT: Yes, sir. I was, I was concerned about it. I mentioned
12 it to the sup and he goes "ask the fire control watch". "Okay".
13 So I was like hey is this guy closing or what. He was like "No,
14 this guy is on this course, doing this and doing this, doing
15 this, doing this, I know that he is not closing". I am like
16 "Okay", and then I ask the XO, "sir, I think this guy is
17 closing". He goes, he smacks me upside the head, he goes "How
18 fast are we going". And I was like "Oh, okay". We were
19 actually driving the ah, the range, the closure on this guy, so
20 I was like "I am sorry, my bad".
21
22 LT HEDRICK: Saying he smacked you upside the head is a
23 figurative term?
24
25 WIT: Yes, sir. Oh no, he never touched me. When we changed
26 course to the right, the contact was actually Sierra 10, not the
27 one I thought we were closing and ah, we put him in the baffles.
28 And um, all we had was Sierra 12 and 13 at that point, they were
29 on the left, drawing left. At ah minimum bearing rate, I mean
30 they from what we thought, we thought they were outside 10,000
31 yards. We came up to periscope depth and we didn't see them.
32
33 LT HEDRICK: Okay. Um, did was there, officer of the deck
34 stated over the open mike that they were clearing baffles. Was
35 there any acknowledgment from sonar?
36
37 WIT: Yes. Every station that is involved in going to periscope
38 evolution has to acknowledge the officer of the deck. First it
39 will be sonar, then ESM radio, and then COMM radio/ESMI, we all
40 acknowledge that we are going to periscope depth and the open
41 mike has to be energizing, because if he is on the scope he
42 can't grab the 27MC, or the circuit to contact us threw. So it
43 is easier that way.
44
45 LT HEDRICK: I understand that, that's what ah, what the normal
46 routine is can you tell me, who you remember making those
47 reports and how they made them? Or if you specifically remember

1 somebody not making one of those reports? Can you tell me about
2 any of the communications that you remember for February 9th on
3 the periscope depth.
4
5 WIT: I remember hearing all stations, CONN, making preparations
6 to go to periscope depth and I want to say it was the captain
7 that said it, but I can't say it at 100 percent.
8
9 LT HEDRICK: Okay.
10
11 WIT: There were so many voices in control at that time and ah,
12 the captain was, he was, he was talking to the guests, this is
13 what we do, this is how we do it, and at this command this is
14 how the crew is going to react, and this is how they respond.
15 And he was letting them know that we were acknowledging the fact
16 that we knew we were going to periscope depth.
17
18 LT HEDRICK: So sonar did acknowledge?
19
20 WIT: Yes, sir.
21
22 LT HEDRICK: And who acknowledged?
23
24 WIT: The supervisor.
25
26 LT HEDRICK: And how did he relay that to control?
27
28 WIT: He grabbed the MC circuit and he said "conn, sonar, aye",
29 "conn, sonar, yes I acknowledge".
30
31 LT HEDRICK: The MC circuit that would be the 27MC. Which would
32 be the normal communication between sonar and the officer of the
33 deck?
34
35 WIT: Yes, sir.
36
37 LT HEDRICK: Do you recall if any other stations made
38 acknowledgments that they were making preparations?
39
40 WIT: Yes, sir they did. Radio and the ESM also on the 27MC.
41
42 LT HEDRICK: So you specifically recall sonar, radio and the ESM
43 all making acknowledgements for making preparations for
44 periscope depth?
45
46 WIT: Yes, sir.
47

1 LT HEDRICK: Okay. Um, were there any communications between
2 the officer of the deck and sonar during the baffle clear or
3 after the baffle clear?
4
5 WIT: Yes, sir. He asked specifically what contacts we held and
6 ah - - - -
7
8 LT HEDRICK: Now when you say he, can you say with any certainty
9 on who "he" was?
10
11 WIT: No I cannot. I am sorry.
12
13 LT HEDRICK: So it was somebody from control over the open mike?
14
15 WIT: Yes, sir. At the time, I was, I was instructing SN Rhodes
16 on how to do a periscope depth ascent and ah, but I remember
17 the, I remember the communication, basically what do you got.
18 And ah, I remember the supervisor saying we currently hold these
19 contacts Sierra 10, 12, and 13, and ah, and he goes "sonar,
20 conn, clearing baffles to the right", I remember hearing sonar,
21 conn clearing baffles to the right. I think that was the
22 captain too and ah, we shot over. And I tried to get SN Rhodes
23 to put his cursor or tell me what the initial bearing was or
24 what are course was when we initially started clearing baffles.
25 Now when we keep the OOD, officer of the deck honest, because if
26 you don't clear 120 degrees you definitely don't know what is
27 behind you. So, we shot, we shot way over, what I think was 120
28 degrees just based on what I saw on the display. And ah, we
29 came up to the south, and ah, I heard over the open mike, no
30 close contacts. At that point, I backed off. I was like okay,
31 cool and then we went to PD.
32
33 LT HEDRICK: Okay. When you went to PD, I am still trying to
34 focus on the depth change to 608, on the preparation phase.
35
36 WIT: We didn't go to 60 we went to 550 feet.
37
38 LT HEDRICK: Okay - - - -
39
40 WIT: I remember hearing that over the open mike.
41
42 LT HEDRICK: We will get to that in a second. Um, so CO
43 announced the baffle clear to the right and at some point
44 someone from control from the open mike requested some type of
45 summation of sonar contacts and the supervisor responded that he
46 held Sierra's 10, 12, and 13. Do you know if the supervisor

1 said anything other than that I have three contacts or do you
2 recall that he gave some type of summary of what contacts?

3
4 WIT: He gave, yes sir. He gave contacts that he had in ATF,
5 what their bearing was, it is a standard, it is a standard
6 report, it's is a report that you have to make, we have Sierra
7 10 bearing 010, whatever his bearing was and he is on the left
8 drawing left. We have Sierra 12, actually Sierra one two,
9 bearing whatever he was bearing, and he is on the left drawing
10 left, you know this fast or whatever, and an estimation of range
11 for each contact. And ah, based upon what we had, the bearing
12 rate, they were all I am thinking outside ten thousand yards.

13
14 LT HEDRICK: And to the best of you recollection, those, that
15 normal report was made by the sonar supervisor?

16
17 WIT: Yes, sir. Supervisor was the one talking to the officer
18 of the deck at that time. I can remember that.

19
20 LT HEDRICK: Okay. Um, do you recall if the XO was involved
21 with any sonar evaluations or analysis during this time of
22 preparing to go to PD, baffle clear, and contact assessment?

23
24 MR. ROTH-ROFFY: I am sorry. Could we please break just for a
25 second? He needs to replace his tape.

26
27 (The recorder replaced the tape.)

28
29 LT HEDRICK: LT Hedrick continuing the questioning of Petty
30 Officer Reyes. Oh, whether or not, you recollect whether or not
31 the XO had any involvement in sonar during the baffle clear, or
32 any communication between sonar and control, if he was involved
33 in any of that?

34
35 WIT: I ah, like I said, I ah, was helping out SN Rhodes, the XO
36 was standing by, behind me and he was looking at sonar and he
37 was looking at fire control. He was like "we are the ones kind
38 of driving the closure on this guy no that". Not the other way
39 around, so. He, he had a, I guess he had a handle on what was
40 going on, so. Yes, I would probably say yeah.

41
42 LT HEDRICK: Well we will ask him if he had a handle, but do
43 you feel that he was focusing some of his effort on sonar?

44
45 WIT: Yes, sir.

1 LT HEDRICK: Well, your previous statement was, was that he was
2 standing in the door way - - - -
3
4 WIT: Between sonar and firecontrol, yes, sir.
5
6 LT HEDRICK: Interfacing with the VIP's, you know with a happy
7 face, he was doing a bunch of things, some of his involvement
8 was with sonar?
9
10 WIT: Yes.
11
12 LT HEDRICK: Alright, so um, we talk about the baffle clear and
13 those comms, so ah, after the sonar supervisor reported his
14 contact assessment, what happened next?
15
16 WIT: Sonar clearing baffles to the right. We came over to the
17 right, we put Sierra 10 in the baffles and ah, once ah, once we,
18 once, we, I don't know once we steadied up on course, we came
19 up. And ah, we went up to PD.
20
21 LT HEDRICK: Did you, when the ship-started coming up, did you
22 feel that a sufficient baffle clear had been conducted?
23
24 WIT: Yes and at that time we went to two-time integration and
25 um - - - -
26
27 LT HEDRICK: How did you know, shifting to two time integration
28 on the technical side is ah, um, standard procedure it is on
29 when the ship comes up to periscope depth and what it does, it
30 gives the operators a much better visual clue of any transits in
31 the, of any transit contact or just occasional noise, it
32 enhances their indication of any close aboard contacts. So that
33 switch was done. Was that done because somebody felt the ship
34 coming up or was there an announcement or something?
35
36 WIT: Absolutely, sir, on the announcement all stations conn,
37 preceding to periscope depth, at that point every station that
38 is involved in the periscope depth evolution, conn, sonar,
39 radio, and ESMI, all acknowledge.
40
41 LT HEDRICK: To the best of your knowledge, were all those
42 acknowledgements made?
43
44 WIT: Yes sir, they had to because I specifically remember the
45 ESM push button, the early warning receiver being pushed,
46 because one of the guests - - - -
47

1 LT HEDRICK: So, you remember hearing a, you remember hearing
2 the test tones over the open mike?
3
4 WIT: Yes, sir. It is annoying. I know it is there.
5
6 LT HEDRICK: Okay. And the only reason that I am asking this is
7 because I am trying to, I am trying to make sure that we
8 determine to the best of your recollection what actually
9 happened, not what should have happened, what most likely
10 happened, or happened every time on GREENVILLE. So um, do you
11 specifically remember that all the reports about going to PD
12 were acknowledged?
13
14 WIT: Yes.
15
16 LT HEDRICK: That all three stations, radio, ESM, and sonar all
17 gave acknowledgments about going to periscope depth?
18
19 WIT: Yes.
20
21 LT HEDRICK: Do you know who, or could you tell who made the
22 statement, "proceeding to periscope depth". Previously you had
23 said the CO saying something about the baffles or do you know if
24 it was the officer of the deck?
25
26 WIT: I think it was the officer of the deck.
27
28 LT HEDRICK: Do you think?
29
30 WIT: I believe it was the officer of the deck.
31
32 LT HEDRICK: And who made the acknowledgment in sonar for going
33 up to periscope depth?
34
35 WIT: The supervisor, Petty Officer McGiboney.
36
37 LT HEDRICK: The same person who acknowledged the baffle
38 clearing and gave the contact assessment?
39
40 WIT: Yes, sir. At that time he had the mike in his hand and he
41 was doing all the communication between sonar and fire control.
42
43 LT HEDRICK: At this point um, had there been any personnel
44 additions, subtractions, or change outs in sonar from what was
45 previously stated, still the three personnel on the watchbill,
46 yourself and the XO in the doorway?
47

1 WIT: Yes, sir.
2
3 LT HEDRICK: Based upon my experience, I know that this is
4 normally a time in sonar where it is relatively quiet?
5
6 WIT: Yes.
7
8 LT HEDRICK: You believe. What was your assessment of the noise
9 in sonar shack relative to the standard operating procedures at
10 other times that you go to periscope depth?
11
12 WIT: Well, it was that we didn't have the civilians in there.
13 There was nothing, nothing to ah, to truly distract the guys and
14 I think, I think it was an exceptional periscope depth evolution
15 because, I was able to truly show SN Rhodes, hey this is how you
16 want to look off the bow.
17
18 LT HEDRICK: Okay.
19
20 WIT: There was no one in there other than the sup, the
21 operators, myself, and the XO.
22
23 LT HEDRICK: Um, so the ship was coming up to periscope depth
24 and what was happening in sonar as the ship was making the
25 ascent?
26
27 WIT: Nothing that we were, we were, like I said, conducting our
28 search to off the bow. Making sure that there were no close
29 contacts off the bow.
30
31 LT HEDRICK: Do you know if both operators were focusing their
32 search off the bow or can you only testify to what SN Rhodes was
33 doing?
34
35 WIT: I can only speak for SN Rhodes, because I was there, I was
36 watching his display.
37
38 LT HEDRICK: Ah, as a formally qualified sonar supervisor and
39 requalifying on this ship um, did you ever during this evolution
40 think that sonar supervisor, Petty Officer McGibboney, or Petty
41 Officer Bowie had any significant deficiencies on their watch
42 standing practices?
43
44 WIT: No, sir.
45
46 LT HEDRICK: As far as the attentiveness or during what they
47 were supposed to do?

1
2 WIT: No.
3
4 LT HEDRICK: As far as you can recollect, you don't remember any
5 shortcomings?
6
7 WIT: No, sir.
8
9 LT HEDRICK: Okay. So the ship is ascending, you and SN Rhodes
10 are focusing your attentions on the forward part of the ship?
11
12 WIT: Yes.
13
14 LT HEDRICK: Do you recall what the ordered depth was for
15 periscope depth?
16
17 WIT: five five feet.
18
19 LT HEDRICK: five five feet. Was that the ordered depth or was
20 that the depth that the dive called out?
21
22 WIT: No, I specifically heard make your depth five five feet.
23
24 LT HEDRICK: You specifically heard make your depth five five
25 feet at some point and how did you hear that?
26
27 WIT: I heard it over the open mike.
28
29 LT HEDRICK: Do you know if that was while the ship was still
30 submerged coming up or could that have been quite possibly
31 sometime later, when the ship was already shallow or at PD?
32
33 WIT: It was after we were already at periscope depth. I guess
34 they were taking, they were already getting wave slap on the
35 periscope and then I heard make your depth five five feet.
36
37 LT HEDRICK: The wave slap. Is that a supposition on your part
38 because you heard them make your depth five five feet or do you
39 hearing any communications threw the open mike about wave slap?
40
41 WIT: Yes. Yes, we are getting ah, yes there was swells and the
42 boat was rocking and I was like oh well.
43
44 LT HEDRICK: So you did hear communications?
45
46 WIT: Yes, sir.
47

1 LT HEDRICK: You heard, taking hits, number two scope, or
2 something like that?
3
4 WIT: Yes, sir.
5
6 LT HEDRICK: Do you know who ordered the depth of five five
7 feet?
8
9 WIT: No.
10
11 LT HEDRICK: I realize that you are not in control at this time
12 and you're also not the sup.
13
14 WIT: No. I really don't. But I did hear five five.
15
16 LT HEDRICK: Okay. Um, how about any reports made when reaching
17 periscope depth, do you happen to recall if any were made?
18
19 WIT: Yes, sir. The report came over, no close contacts. And
20 then that was good enough for me, I was like "yes".
21
22 LT HEDRICK: The report came over no close contacts?
23
24 WIT: Yes.
25
26 LT HEDRICK: So, who is making that report?
27
28 WIT: The officer of the deck.
29
30 LT HEDRICK: And came over means the open mike?
31
32 WIT: Yes.
33
34 LT HEDRICK: So you heard the officer of the deck report no
35 close contacts?
36
37 WIT: Yes, sir.
38
39 LT HEDRICK: Do you recall any reports being made shortly after
40 that?
41
42 WIT: Yes, sir. I don't know, I don't know if it is just a
43 GRENNVILLE thing or if it is fleet wide, but normally at the
44 report no close contacts I was used to sonar reporting first.
45 No close contacts sonar, I. Then, I mean ESM radio would make
46 whatever reports. Here it is ESM, sonar, then radio. So that

1 is the order that it went down: ESM no close contacts, then
2 sonar, and then radio reports no close contacts.
3
4 LT HEDRICK: And you do remember all those reports being made?
5
6 WIT: Yes.
7
8 LT HEDRICK: Do you know if any of those reports were
9 acknowledged, by the officer of the deck?
10
11 WIT: No. After no close contacts, and the acknowledgments I
12 turned off. I was like, okay we are there.
13
14 LT HEDRICK: I understand. I understand. Um, and I appreciate
15 your patience. Thinking back on those questions I asked
16 specifically the ones about the comms and the baffle clear and
17 ascending to periscope depth. Do you feel relatively confident
18 that, you know when you said that I heard that, that it is yes
19 you heard that and it's not I always hear that, or so that it
20 probably happened?
21
22 WIT: No, sir. I heard that.
23
24 LT HEDRICK: Okay. Thank you very much. I appreciate your
25 patience.
26
27 LT JOHNSON: How are you doing? I am LT Johnson with the Coast
28 Guard. Oh, my mind just went.
29
30 WIT: You said that you were LT Johnson, sir.
31
32 LT JOHNSON: Yep, that is the one thing I do know is who I am.
33 Okay, I am going to ask you about playing the tapes and the
34 biologics?
35
36 WIT: Sure.
37
38 LT JOHNSON: What depth was the vessel when you were playing
39 these tapes?
40
41 WIT: We were, we were like on the surface and the folks wanted
42 to hear some, wanted to hear sonar and unfortunately on the
43 surface like I stated before, they don't get much. So we played
44 tapes through for them while we were on the surface and then
45 when we dove, we still didn't have any biologics either, so we
46 ran the biologics tapes pretty much steady.
47

1 LT JOHNSON: Throughout, while you were on the surface or
2 submerged?
3
4 WIT: Both.
5
6 LT JOHNSON: Both. When you were playing these tapes in sonar
7 for the guests, would that impede the sonar operator's ability
8 to do their job?
9
10 WIT: Not at all. Not at all. The tape decks are completely
11 independent of the safety of the ship's stack. It's just ah,
12 its just, you have a speaker and you can more than one input
13 into this one speaker and there is a selective switch and all
14 they did was assign the selective switch to the tape deck,
15 instead of what the operator was listening to. To be audible
16 heard in the sonar shack.
17
18 LT JOHNSON: So these are played over the speaker in the sonar
19 room?
20
21 WIT: Yes, sir.
22
23 LT JOHNSON: Um, we the visitors talking to the operators at
24 this time?
25
26 WIT: When I went in, yes.
27
28 LT JOHNSON: Is that distracting to the operators?
29
30 WIT: It could be, if they are turning around and not looking at
31 their displays.
32
33 LT JOHNSON: Were they turning around and not looking at their
34 displays?
35
36 WIT: Initially SN Rhodes started to turn around and I didn't
37 physically smack him upside the head, but I interjected and I
38 spoke to the guests. See as a supervisor, or former supervisor
39 requalifying now, the operator should do nothing but operate.
40 And one of my pet peeves is if you are on the stack don't turn
41 around. You can talk to me you don't have to turn around. So
42 when I saw him kind of turn, I said "no". Like I said, I
43 interjected.
44
45 LT JOHNSON: What about the other operator?
46

1 WIT: Petty Officer Bowie was a, he was touching his operator
2 face with the unit, the operator face with the unit, he was
3 touching the touch panel and the sup was next to him, but it had
4 the potential for - - - -
5
6 LT JOHNSON: When these visitors where talking to the sonar
7 operators, where the operators responding to them or just
8 ignoring them, or what were the sonar operators doing?
9
10 WIT: The supervisor and the operators were trying to talk to
11 them at the same time and explain to them what he wanted from
12 them and what he wanted them to do. And it was not clear
13 communication, so.
14
15 LT JOHNSON: Were the operators actively responding to the
16 guests?
17
18 WIT: SN Rhodes was.
19
20 LT JOHNSON: SN Rhodes was but Petty Officer Bowie was not
21 responding?
22
23 WIT: Petty Officer Bowie was responding. Once or twice.
24
25 LT JOHNSON: So he was listening to what they were asking?
26
27 WIT: Yes.
28
29 LT JOHNSON: I just want to make sure that, I am trying to
30 figure out what the operator was doing, if he was listening to
31 the questions being asked him and could he have been distracted
32 by that?
33
34 WIT: Yes.
35
36 LT JOHNSON: You said that the civilians were escorted out of
37 sonar when preparations were being made to go to periscope
38 depth?
39
40 WIT: Yes.
41
42 LT JOHNSON: What depth was that when they were escorted out?
43
44 WIT: We were at, we were at, Oh wow! I honestly don't know.
45 But normally, when we have, you see I can't really say that,
46 because I don't know. Normally when we make preparations to go
47 to periscope depth, we come up to 150 feet.

1
2 LT JOHNSON: Those preps to go to periscope are conducted at 150
3 feet?
4
5 WIT: They can be conducted deep as well. I mean, it just
6 varies.
7
8 LT JOHNSON: I understand, I am just asking normal procedures.
9 Does the normal direction make preps to come to periscope depth
10 at 150 feet?
11
12 WIT: Yes.
13
14 LT JOHNSON: And at what depth do you conduct your baffle clear
15 prior to coming to periscope depth?
16
17 WIT: One five zero feet.
18
19 LT JOHNSON: So were the guests in sonar during the baffle
20 clear?
21
22 WIT: No.
23
24 LT JOHNSON: You know that for a fact?
25
26 WIT: I know that for a fact. Because I was there.
27
28 LT JOHNSON: Now in sonar, or wherever it was that you were
29 standing do you hear the same thing that the sonar supervisor
30 hears in the way of the open mike from the control room?
31
32 WIT: Yes.
33
34 LT JOHNSON: Is there any way that you can hear some things that
35 he would be prohibited from hearing?
36
37 WIT: No.
38
39 LT JOHNSON: Or not acknowledge?
40
41 WIT: Yes.
42
43 LT JOHNSON: There is a chance then that the sonar sup did not
44 hear the same things that you heard?
45

1 WIT: Yes. Absolutely. If he has both headsets or earpieces on
2 and he is listening to something on the primary stack, he may
3 miss something.
4
5 LY JOHNSON: Is there a chance that someone else could have
6 responded to the conn from sonar besides the sonar supervisor?
7 WIT: No. No, he had the mike.
8
9 LT JOHNSON: And who was the supervisor during this time frame?
10
11 WIT: Petty Officer McGiboney.
12
13 LT JOHNSON: And you know the sound of his voice?
14
15 WIT: Absolutely.
16
17 LT JOHNSON: Were you in sonar during the baffle clear?
18
19 WIT: Yes.
20
21 LT JOHNSON: Was the XO in sonar during the baffle clear?
22
23 WIT: Yes.
24
25 LT JOHNSON: Did the XO specifically request any information
26 regarding any of the contacts that you held to the north, Sierra
27 12 and 13, I think they are? Did he specifically request any
28 information about those contacts?
29
30 WIT: If he did, I don't think that he asked me. I know that he
31 didn't ask me. If he did, he did not ask me.
32
33 LT JOHNSON: But you did not hear him, you personally did not
34 hear him request for any update information?
35
36 WIT: No sir.
37
38 LT JOHNSON: Did you hear, and I know that you are in sonar and
39 he is by the door. Did you hear the XO pass any information to
40 the officer of the deck regarding the sonar picture?
41
42 WIT: I don't know. I that point I don't know, because if he
43 stepped out of sonar.
44
45 LT JOHNSON: You did not hear?
46
47 WIT: No sir. I did not.

1
2 LT JOHNSON: Um, during the emergency deep, did the sonar
3 supervisor step out of sonar during any time during that?
4
5 WIT: No.
6
7 LT JOHNSON: Because there is a little confusion here. I know
8 that he was trying to get a relief for a head call?
9
10 WIT: Yes, but he did not step out.
11
12 LT JOHNSON: Okay. Your ESM watchstander. Do you know who was
13 on watch in ESM?
14
15 WIT: No. I am going to say no, because I really don't know.
16
17 LT JOHNSON: You wouldn't know the sound of the voice the person
18 on the radio?
19
20 WIT: If I heard the voice, yes I would know.
21
22 LT JOHNSON: But you specifically heard ESM making reports and
23 identifying himself as ESM?
24
25 WIT: Yes.
26
27 LT JOHNSON: Did the water conditions change during the day?
28 Because you say in your logs that one part of the watch, I think
29 when you were actually on watch, the first part they were
30 getting screw blade information and it is properly logged.
31 However when you are off watch, they are not providing any screw
32 blade information? Did water conditions change to prevent them
33 from getting that, to your knowledge?
34
35 WIT: No. Not to my knowledge.
36
37 LT JOHNSON: Did your um, your area of operation were you in the
38 same um general, I am using general here, were you operating in
39 the same general area the second half of the day as you were the
40 first half of the day?
41
42 WIT: No, sir.
43
44 LT JOHNSON: You were not. So you changed OP areas?
45
46 WIT: Yes. We were in a transit lane. We transited out of
47 Pearl Harbor.

1
2 LT JOHNSON: During your watch?
3
4 WIT: Yes. We were in transit and we were on our way to where
5 the dive point was.
6
7 LT JOHNSON: Where you on watch during the dive?
8
9 WIT: I don't remember. I really don't remember. I would; yes.
10 Yes, I was on watch during the dive.
11
12 LT JOHNSON: Was the vessel submerged when they obtained that
13 screw blade information during the first half of the watch? Do
14 you know, where you submerged at that point?
15
16 WIT: I don't know.
17
18 LT JOHNSON: I guess the point that I am trying to get at is did
19 anything change between the time that we have data till the time
20 we don't have data, other than the operators themselves? Was
21 there any kind of equipment change? Was there any kind of a
22 condition change?
23
24 WIT: No.
25
26 LT JOHNSON: Nothing at all. Do you have any um, and this is
27 just your probably your opinion, because you are experienced and
28 because you have done this a lot, why don't we have any
29 information on the second half of the watch on contacts vice the
30 first half?
31
32 WIT: It depends on, it depends on ah, on the operator; on how
33 aggressive he is um, I mean, it could be a number of things. I
34 really don't know. I really don't know.
35
36 LT JOHNSON: So we don't know why we don't have some of these?
37
38 WIT: No. We have had training on this before, so.
39
40 LT JOHNSON: Sure. Um, I am still um, and maybe this is just a
41 code word or something, about the comment IMA JIMA. For some
42 reason, does that mean danger or catastrophe, or something?
43
44 WIT: No. Not at all.
45
46 LT JOHNSON: Is the captain just trying to read the name off the
47 bow of the boat?

1
2 WIT: That is, that is what he said. He read it.
3
4 LT JOHNSON: Okay. But it wasn't an exclamation?
5
6 WIT: No. No, he read that. I made the exclamation.
7
8 LT JOHNSON: When you have a low bearing rate on a contact, and
9 I remember from what you said earlier that you had a low bearing
10 rate on Sierra's 12 and 13. What can that tell you? What
11 information can that indicate?
12
13 WIT: It indicates movement of a contact. Based on range and
14 techniques that we use. We can tell, we can tell how close they
15 are to own ship and based on the low bearing rate that they had,
16 our indications read that they were further out.
17
18 LT JOHNSON: Was that an assumption that you would always that a
19 low bearing rate would indicate an extreme range on the ship?
20
21 WIT: No, sir.
22
23 LT JOHNSON: What else could it indicate?
24
25 WIT: It could indicate that you have a contact that is pointing
26 directly at you.
27
28 LT JOHNSON: A low angle on the bow closing in on you, right?
29
30 WIT: Yes, sir.
31
32 LT JOHNSON: It is one of two things. Either he is way out
33 there or he is not so far out there and he is coming right at
34 us?
35
36 WIT: Exactly. That would be very bad.
37
38 LT JOHNSON: You mentioned earlier that when you where coming up
39 that if there is a ship, even if it is on the surface idle you
40 can always hear it?
41
42 WIT: Yes.
43
44 LT JOHNSON: Slapping the water. I think your think was people
45 walking on deck, chains being moved, machinery being operated?
46
47 WIT: Yes.

1
2 LT JOHNSON: Are you normally listening for these types of
3 noises during your emergency ascent?
4
5 WIT: Yes, among others, yes.
6
7 LT JOHNSON: Okay.
8
9 WIT: Some of the other things that you are looking for is any,
10 any trace starting to come in.
11
12 LT JOHNSON: Did you hear any of these noises during the ascent?
13
14 WIT: No, sir. Not at all.
15
16 LT JOHNSON: What, what was the flow over the hydrophone the
17 flow, the flow noise like?
18
19 WIT: We weren't going very fast at all.
20
21 LT JOHNSON: You weren't?
22
23 WIT: No, sir.
24
25 LT JOHNSON: Okay.
26
27 WIT: Not for periscope depth, no sir.
28
29 LT JOHNSON: Sure. Okay. And you specifically heard the
30 officer of the deck order the vessel to come to five five feet?
31
32 WIT: I heard five five feet.
33
34 LT JOHNSON: You heard that?
35
36 WIT: Yes, sir.
37
38 LT JOHNSON: And you specifically heard the officer of the deck
39 say about taking wave hits over the periscope?
40
41 WIT: I heard, yes.
42
43 LT JOHNSON: Do you recognize the officer of the deck's voice?
44
45 WIT: I can't say it was the officer of the deck. That I can't
46 say. I didn't even know who the officer of the deck was.
47

1 LT JOHNSON: Right. You mentioned that um, that um, that this
2 was an exceptional, and I am putting that in quotations,
3 evolution going to PD?
4
5 WIT: Yes.
6
7 LT JOHNSON: What made this exceptional?
8
9 WIT: It was, it was a text book periscope depth ascent. I mean
10 there was absolutely no chatter in sonar, there was; it reminded
11 me of, it reminded me of the days of the cold war when I was
12 always in sonar and there was always a tense; going to periscope
13 depth is always a tense evolution. You are preparing for the
14 unknown. You really don't know if something is going to go up
15 through the layer.
16
17 LT JOHNSON: Does it require coordination between several watch
18 stations to do it successfully, ie, does it require coordination
19 between your ESM guy and your fire control guy and your sonar
20 guy, and your helms guy?
21
22 WIT: Yes.
23
24 LT JOHNSON: Um, are you aware of any standing orders or
25 regulations that require a briefing to be conducted prior to; to
26 ensure that everybody for a lack of better terms, playing off
27 the same sheet of music and aware of the picture?
28
29 WIT: Yes.
30
31 LT JOHNSON: Did this briefing prior to going to periscope depth
32 occur to your knowledge?
33
34 WIT: I don't know.
35
36 LT JOHNSON: Were you involved in any of the briefings prior to
37 going to periscope depth?
38
39 WIT: No sir, I was not.
40
41 LT JOHNSON: Did you coordinate any of your contact information
42 with the ESM or fire control watchstander prior to going to
43 periscope depth?
44
45 WIT: No sir. I did not.
46

1 LT JOHNSON: Did sonar pass any contact information to the
2 officer of the deck prior to going to periscope depth, to let
3 him know who is out there, how many you are tracking, and where
4 they are at?
5
6 WIT: Yes.
7
8 LT JOHNSON: You did?
9
10 WIT: Yes.
11
12 LT JOHNSON: Did you pass that specifically, or did pass it?
13
14 WIT: I did not. The sonar supervisor did.
15
16 LT JOHNSON: And you heard him pass that?
17
18 WIT: Yes, sir.
19
20 LT JOHNSON: Okay. I have a question in here. I'm sure that
21 you say that wave slap. That is a term for hitting the
22 periscope? The waves hitting the periscope?
23
24 WIT: Well it could be, you hear, you hear the waves hitting
25 either a hull and slapping the hull or you are getting waves
26 that are ah, hitting the little window on the scope and you
27 can't see.
28
29 LT JOHNSON: How long have you been a sonar watchstander?
30
31 WIT: Well, I have been in the Navy for 12 years now and I was
32 on the ship for five and half years. I was qualified supervisor
33 for two and half years.
34
35 LT JOHNSON: In your experience, you can hear a buoy in the
36 water, just hanging?
37
38 WIT: Yes, sir.
39
40 LT JOHNSON: Not doing anything?
41
42 WIT: Yes.
43
44 LT JOHNSON: Um, - - - -
45
46 WIT: You hear the buoy chain.
47

1 LT JOHNSON: The buoy chain, yeah.
2
3 WIT: Yes.
4
5 LT JOHNSON: Can you hear the waves slap against the buoy as
6 well?
7
8 WIT: You hear the chain, you hear the chain.
9
10 LT JOHNSON: So a vessel that um, if we were to assume that was
11 just sitting there doing nothing.
12
13 WIT: Um-ah.
14
15 LT JOHNSON: Considering the sea state, and you said that the
16 sea state that you were a rocking and rolling at periscope
17 depth?
18
19 WIT: It would be difficult. It would be difficult to see. But
20 it would have to be um, a vessel that was completely in
21 distress.
22
23 LT JOHNSON: It would be difficult to see - - - -
24
25 WIT: See or hear.
26
27 LT JOHNSON: Hear?
28
29 WIT: See and hear. The way the system works is it, it takes a
30 sound source and it displays it for you. And if the thing is
31 not making any sound, it is not going to give you anything to
32 see visually on the display.
33
34 LT JOHNSON: Yeah. So, a rough sea the hull of the ship hitting
35 on a rough sea - - - -
36
37 WIT: That is a transit. Yes - - - -
38
39 LT JOHNSON: That would stand out?
40
41 WIT: Yes.
42
43 LT JOHNSON: Okay, so that would, that would be something that
44 is very pronounced or not so pronounced?
45
46 WIT: Not so pronounced.
47

1 LT JOHNSON: Not so pronounced. How about a vessel that the
2 engine is idling?
3
4 WIT: You would be able to hear that, yes.
5
6 LT JOHNSON: Your um, in your opinion, once again on your
7 qualifications and experience, these contacts that you held to
8 the north, 12 and 13, was there anything else that indicated to
9 you that those contacts were way, they had a very large range?
10 Other than the bearing drift? We briefly spoke on that, a low
11 bearing drift?
12
13 WIT: Prior or after going to periscope depth?
14
15 LT JOHNSON: Both, doesn't matter?
16
17 WIT: Prior to going to periscope depth, based on the bearing
18 that we had and the course maneuver that we had made and seeing
19 no change in the bearing rate. We figured that the contact was
20 distant. Upon ascending to periscope depth, them taking their
21 look around and not seeing the contact visually, I thought, "oh
22 wow, this guy must be really out there". Cause, they didn't
23 have him visually. So that, that right there told me that these
24 contacts were distant.
25
26 LT JOHNSON: I see. That's all I have and I apologize to the
27 commander, that is inconsiderate. I said that I was going to
28 let him follow and I forgot, Commander. That is all I have.
29
30 LCDR SANTOMAURO: This is LCDR Santomauro. Hi. Um, I think the
31 key issue is, how did this guy get so close? How did he get to
32 where he was? Right? Um, I heard, that we thought that the
33 contacts were distant. We estimated that the contacts were
34 distant and just now you said that "we figured just based on
35 bearing rate and we figured". We figured means to me that you
36 had some way of computing that other than just; so, what I would
37 like for you to do is explain to us exactly how you would
38 compute range? Okay, I want to focus in on that, if we could do
39 that?
40
41 WIT: Okay.
42
43 LCDR SANTOMAURO: I mean, I know that there are no ranges in the
44 logs, right?
45
46 WIT: Okay.
47

1 CDR CACCIVIO: This is CDR Caccivio. Can I ask a technical
2 question? Before we get into this line of questioning, can I
3 think CAPT Kyle has spent a fair amount of time educating the
4 board exactly how range is determined. Are you trying to
5 question - - - -
6
7 LCDR SANTOMARUO: One question is not how CAPT Kyle explained
8 it, but how he does it.
9
10 CDR CACCIVIO: Okay.
11
12 WIT: Okay. Based on the bearing rate that we get. Ah, we do,
13 we do ranging maneuvers. We try to drive the bearing rate on a
14 contact. We either turn left or right in order to establish a
15 bearing rate. Okay, so this guy is moving so many degrees in
16 bearing per minute or so and ah, over the course of time we can
17 tell his range. Ah, there there are varies - - - -
18
19 LCDR SANTOMARUO: How much, can you tell me how much time it
20 would take when you do this maneuver before you can actually
21 determine the contact's range? How much time?
22
23 WIT: It depends ranging, if you do a maneuver at all, sir. I
24 mean, you could do one, one single leg and um - - - -
25
26 LCDR SANTOMARUO: In time, can you tell me once you make the
27 course change and drive, can you tell me how long does it take
28 to get a good estimate?
29
30 WIT: A few minutes.
31
32 LCDR SANTOMARUO: Just a few minutes?
33
34 WIT: Just a few minutes. Then depending on, like again, again
35 depending on his bearing rate, it is hard to determine.
36
37 LCDR SANTOMARUO: Is there a mathematical way you can do that?
38
39 WIT: Yes.
40
41 LCDR SANTOMARUO: Is that how you did it in this case?
42
43 WIT: No. I did not figure any range.
44
45 LCDR SANTOMARUO: Is there, is there a procedure that you are to
46 follow that is a mathematical way?
47

1 WIT: Yes, there are a few mathematical procedures, yes.
2
3 LCDR SANTOMAURO: By procedure, are you supposed to do that?
4
5 WIT: Yes. You should.
6
7 LCDR SANTOMAURO: You should or is it by procedure?
8
9 WIT: By procedure, yes.
10
11 LCDR SANTOMAURO: But it wasn't, but you did not do it in this
12 case and can you tell me why?
13
14 CDR CACCIVIO: This is CDR Caccivio. Please answer the specific
15 question. As the workload share operator?
16
17 WIT: Um-ah.
18
19 CDR CACCIVIO: Is it your responsibility to developing contact
20 solutions including target range?
21
22 WIT: No, sir.
23
24 CDR CACCIVIO: Okay.
25
26 LCDR SANTOMAURO: Can you tell me who's responsibility is it in
27 the sonar room if any, to develop a range solution?
28
29 WIT: If any the supervisor should have a ballpark range of a
30 contact and send that information out to fire control and at
31 that point they have the equipment to jiggle to work the fire
32 control solution. See in sonar it is very difficult because
33 there are so many things that go on at the same time. You are
34 not just tracking a contact in just bearing, this guy is moving
35 into the present elevation as well. I mean it is two-
36 dimensional.
37
38 LCDR SANTOMAURO: Can you, can you please tell me um, when you
39 log that range into that log, where does that come from?
40
41 WIT: Here. You get various sources. You get visual ranges,
42 you get radar ranges, you get fire control and then you get
43 sonar estimates.
44
45 LCDR SANTOMARUO: There are no ranges in that log, is that
46 correct?
47

1 WIT: No, sir.
2
3 LCDR SANTOMAURO: But yet the sonar supervisor actually had a
4 ballpark range of greater than 10,000 yards on these two
5 contacts. But they weren't logged as such?
6
7 WIT: Yes.
8
9 LCDR SANTOMAURO: Okay.
10
11 CDR CACCIVIO: On the tape - - - -
12
13 LCDR SANTOMAURO: Commander, I still have more. I know that you
14 had placed a biologics tape on for the purpose of demonstration
15 for the um, to the guests. What was on the tape roll, prior to
16 you putting on the biologics? Was there anything on there
17 before you put the biologics tape on?
18
19 WIT: No sir.
20
21 LCDR SANTOMAURO: So nothing was running at all?
22
23 WIT: No sir.
24
25 LCDR SANTOMAURO: You weren't recording anything prior to that?
26
27 WIT: No, because when we put the tape in prior to leaving.
28 Once we stationed the maneuvering watch the tape went in.
29
30 LCDR SANTOMAURO: Was it you that loaded the biologics tape in?
31
32 WIT: Yes, sir.
33
34 LCDR SANTOMAURO: When, right before you got underway?
35
36 WIT: Yes, sir.
37
38 LCDR SANTOMAURO: Do you normally run any kind of recording tape
39 in sonar, at all?
40
41 WIT: Yes, sir.
42
43 LCDR SANTOMAURO: During an underway?
44
45 WIT: No. We never, we never play an audio cassette like that
46 with biologics on it, we are always in record, we are always

1 recording data when we are underway. I mean it's, it's how we
2 operate. That is are operating procedure.
3
4 LCDR SANTOMAURO: How many, your; in a watch section you are
5 supposed to have; are you supposed to have, yes or no question
6 here; are you supposed to have a qualified passive broad band
7 watch, a work share class watch qualified, and a sonar
8 supervisor, is that the minimum requirement?
9
10 WIT: Yes.
11
12 LCDR SANTOMAURO: And in this case did you have that assigned?
13
14 WIT: No.
15
16 LCDR SANTOMAURO: During the time when you were doing the baffle
17 clear to make sure that there were no contacts in your baffles,
18 and you were doing a search of the area was the LMC in use?
19
20 WIT: Yes.
21
22 LCDR SANTOMAURO: Can you tell me what was going on the LMC?
23
24 WIT: Ah, the captain was ah, was letting, letting everyone
25 onboard and the guests as well, what the ship was doing at every
26 step of the way. What we were preparing to do and what we were
27 going to do.
28
29 LCDR SANTOMAURO: Okay. Um, I want you to explain to me the
30 procedures that it would take and how long it would take for you
31 to shift sonar modes in order to go active sonar?
32
33 WIT: Okay. Once, once the assets are loaded on the busy one
34 system and what I mean is software, was the software is brought
35 up ah, you bring up, you bring up the program, you assign it to
36 a console.
37
38 LCDR SANTOMAURO: How long does that take to do that?
39
40 WIT: You can have everything up and running inside of three
41 minutes. If everything is working correctly.
42
43 LCDR SANTOMAURO: And you assign it to a console?
44
45 WIT: Yes, sir.
46
47 LCDR SANTOMAURO: Which console would you assign it to?

1
2 WIT: You would assign it to the workload share console.

3
4 LCDR SANTOMAURO: So when that happens, what happens to the
5 ability for the ship to utilize what he was doing?

6
7 WIT: We just lost an eye, if you will. We ah, we only have two
8 consoles left of the legacy busy one system and in order to go
9 active we have to use one of those two consoles. So that leaves
10 just one operator dedicated to safety of the ship and the other
11 operator going active and that's that's, I mean, I wouldn't
12 personally sir, I wouldn't feel right doing that. Because now
13 you are sonofying the ocean environment and you only have one
14 guy listening to this environment. And ah, and if he has to go
15 into ah, what we call active reject?

16
17 LCDR SANTOMAURO: Now my next question is if you have sonar
18 contacts out there, in which this case you didn't, you were
19 assuming that they were a great distance away. You couldn't be
20 very sure because you didn't have the range logged in your log?

21
22 WIT: Yes, sir.

23
24 LCDR SANTOMAURO: So if you did have a contact out there that
25 you thought was a safety concern or a threat to your ship would
26 or could an active pulse into the water actually ah, be
27 something that you would possibly use to ah, to determine
28 whether a contact was there, close abort?

29
30 WIT: Yes active, active will give you a range, yes. But ah, in
31 the environment that we were in probably not. We had high, we
32 had high; in the environment that we were in there was a high
33 shipping density, lots of little ships all over the place; just,
34 just, just where we were sound conditions were not good for an
35 active ping, higher reverberation levels it just no, it wouldn't
36 have been able to give us a good return, no sir. It would be, I
37 could not tell you 100 percent that this is a contact just based
38 on how far the water was. Yes, there was 1,800 feet of water,
39 relatively speaking that is still not very deep. As far as
40 active is concerned.

41
42 LCDR SANTOMAURO: When you say high-density contacts are you,
43 can you explain that a little bit more?

44
45 WIT: Biologics, trawlers, ah, I mean, you can get erroneous
46 returns off of surface reflection, bottom reflection. I mean

1 all these things come into play when you are using active. And
2 it is hard to say yes, this is a contact.
3
4 LCDR SANTOMAURO: Okay. If I say that I have a contact bearing
5 357 with a small bearing rate, do you automatically assume that
6 contact is far away, because it has a small bearing rate?
7
8 WIT: No sir. You can't do that. Because if this contact is
9 presented to you in a narrow aspect, he will also present a
10 small amount of bearing rate.
11
12 LCDR SANTOMAURO: So do you have to add in the factor that you
13 are going to change course and drive?
14
15 WIT: Yes, sir.
16
17 LCDR SANTOMAURO: Okay.
18
19 WIT: You have to try to drive that bearing rate to see exactly
20 what this guy is doing.
21
22 LCDR SANTOMAURO: If you have a contact that is fairly close to
23 you, okay. Um, and your, could you have a small bearing rate
24 being in the ?
25
26 WIT: Unless he is pointing you directly, that is the only way I
27 can think of. But we had no classic sonar acoustic identifiers
28 as to that this contact was close. Ah, we had no near field
29 effect and that's that's a phenomenon that happens with the
30 spherical array. A contact gets too close to it and now you got
31 a series of transducer hydrophones picking up this same contact
32 and it's, it's masking out.
33
34 LCDR SANTOMAURO: How close would a contact have to be to get a
35 near field effect?
36
37 WIT: Depending on, depending on the acoustic conditions, you
38 can see near field effect two thousand yards.
39
40 LCDR SANTOMAURO: Okay. I have to clear something up. Earlier
41 you stated that ah, you were getting a report of no close
42 contacts from ESM, sonar, and radio in that order, is that
43 correct?
44
45 WIT: Yes, sir. ESM, sonar, and then radio.
46

1 LCDR SANTOMAURO: Okay. But radio doesn't report contacts, is
2 that correct?
3
4 WIT: Right.
5
6 LCDR SANTOMAURO: Okay. So you would be talking ESM?
7
8 WIT: Yes. ESM radio, yes sir. They um, whenever we go up they
9 ah, line up the copy broadcasts or whatever. For a typical
10 periscope depth evolution.
11
12 LCDR SANTOMAURO: But radio doesn't report any contacts?
13
14 WIT: No, sir.
15
16 LCDR SANTOMAURO: That is all I have.
17
18 CDR CACCIVIO: Okay. This is CDR Caccivio. Do you see near
19 field effect?
20
21 WIT: No sir.
22
23 CDR CACCIVIO: Okay. Um, you indicated previously that the XO
24 had one foot inside the sonar door and one foot in control?
25
26 WIT: Yes, sir.
27
28 CDR CACCIVIO: Was he observing the sonar displays in your
29 workstation?
30
31 WIT: Yes.
32
33 CDR CACCIVIO: Did he, did you have an indication that he was in
34 sonar to get a handle on the tactical, sonar situation? Let me
35 rephrase that. Did he ask any questions about what contacts you
36 were tracking?
37
38 WIT: Yes. He, I, yes, he did. He asked me specifically.
39
40 CDR CACCIVIO: What did he ask?
41
42 WIT: "Hey, what do you got"?
43
44 CDR CACCIVIO: Okay. So then back to my previous question. Was
45 it reasonable for you to believe that he came to sonar to figure
46 out what the sonar picture was?
47

1 WIT: Yes, sir.
2
3 CDR CACCIVIO: Okay. Um, you indicated previously that you that
4 the periscope depth attempt was exceptional because it was
5 similar to a cold war format, could you kind of explain what you
6 mean by cold war format?
7
8 WIT: Ah, yes sir. Ah - - - -
9
10 CDR CACCIVIO: You don't have to be technical.
11
12 WIT: It was ah, it was always, it still is a serious evolution.
13 But it was just very quiet in sonar, there was no hey pass me
14 the, the pencil or the, you know everybody was specifically
15 dedicated to looking at their stacks and focusing on the job
16 ahead to get to periscope depth safely.
17
18 CDR CACCIVIO: Okay. You indicated that you, okay. Do you feel
19 that you had an adequate picture of what the surface contact
20 picture was prior to going to periscope depth?
21
22 WIT: Yes, sir. I did.
23
24 CDR CACCIVIO: Did you feel that you had an understanding of the
25 surface picture prior to commencing the EM&T blow?
26
27 WIT: I can't answer that sir, because I was not in sonar when
28 we started blowing.
29
30 CDR CACCIVIO: Okay. What time, relative to the events of
31 periscope depth, emergency deep, and emergency blow, when did
32 you leave sonar?
33
34 WIT: I left sonar when the supervisor asked me for a head break
35 or to find him a relief for a head break? He ah, he asked me
36 for that after we started descending from periscope depth. That
37 is about when we stabilized at ordered depth.
38
39 CDR CACCIVIO: Okay. Um, I have no further questions.
40
41 MR. ROTH-ROFFY: Could we - - - -
42
43 LT (jg) KUSANO: Mine will take five minutes. This is LT
44 Kusano. Um, who, who is the one person that makes the
45 determination that you are going to drive for bearing rate?

1 I mean, who gives the order? Is it the OOD, sonar sup, someone
2 in fire control, I mean who is it? Who is the person that is
3 going to say, "okay we are going to go here".
4
5 WIT: Um, well when you ah, pick up a contact you do, you
6 maneuver - - - -
7
8 LT(jg) KUSANO: Who, who - - - -
9
10 WIT: Officer of the deck.
11
12 LT(jg) KUSANO: Okay. You said that sonar sup kind of, kind of
13 has an idea of what the range was?
14
15 WIT: Yep.
16
17 LT(jg) KUSANO: Kind of ballpark?
18
19 WIT: Yes.
20
21 LT(jg) KUSANO: You being a sonar sup before and you had a
22 ballpark figure before and when, when the sub drove for, when
23 the sub drove around to get a range. What percentage would you
24 say your ballpark was accurate to actual range, after the
25 driving?
26
27 WIT: Based on what I saw?
28
29 LT(jg) KUSANO: Your experience, yeah.
30
31 WIT: In my experience, it has always been, it has always been
32 right around correct.
33
34 LT(jg) KUSANO: Okay, so you - - - -
35
36 WIT: It has always been right.
37
38 LT(jg) KUSANO: Okay. That is all I have.
39
40 MR. ROTH-ROFFY: I am sorry. I have more questions. This is
41 Tom Roth-Roffy. What I would like to do is that we completed
42 the first round of questioning. I would like to make another
43 round to give everybody a second opportunity to ask questions.
44 So, I will go ahead and start with my second round. Just a
45 couple of clarification questions for Petty Officer Reyes.
46
47 CDR CACCIVIO: Petty Officer Reyes, do you need a break at all.

1
2 WIT: No, sir. I am good.
3
4 MR. ROTH-ROFFY: The sonar data, do you have the ability to
5 record that for archive purposes?
6
7 WIT: It is funny you ask that, cause ah, when I left, when I
8 left my first ship, we did not have that data. It was always a
9 myth that yes, it was going to come out and low and behold we
10 have this new sonar system, the ARCI and we do have that
11 capability now and ah, I think that data was turned over to you
12 folks. But I didn't know it was running. I don't know about
13 the ARCI system. I am not a tech on that. This is the first
14 time that I have seen that.
15
16 MR. ROTH-ROFFY: And that is called the A-R-C-I system?
17
18 WIT: Yes.
19
20 MR. ROTH-ROFFY: And is that piece of equipment located in the
21 sonar room?
22
23 WIT: Yes. Those are the other two consoles right next to the
24 legacy system, yes.
25
26 MR. ROTH-ROFFY: And they are associated with the towed array?
27
28 WIT: Yes.
29
30 MR. ROTH-ROFFY: Do you have any other equipment that could
31 record the data that you were seeing the morning of the
32 accident?
33
34 WIT: Not ah, Not ah, not numerically or nothing in a log format
35 like that, no. I mean we could record acoustic data, yes. I
36 mean with tape decks, yes.
37
38 MR. ROTH-ROFFY: Okay with the tape decks you would be able to
39 record the acoustic data. Were you recording acoustic data on
40 the morning?
41
42 WIT: No, we were not.
43
44 MR. ROTH-ROFFY: Is is your normal practice to record the
45 acoustic data underway?
46
47 WIT: Yes, yes. Always.

1
2 MR. ROTH-ROFFY: And why were you not recording the acoustic
3 data prior to the collision?
4

5 WIT: We were, we were, well I really can't answer that; other
6 than the fact that we were not ah, we were running biologics
7 tapes, I guess so they could hear some of the biologic activity
8 in the environment sounds like.
9

10 LT HEDRICK: LT Hedrick here. I would like to make a
11 clarification here. The sonar system sends data to fire
12 control continuously when there is contact information, when the
13 conversation is about tracker. That information is available
14 and is currently going through declassification process. We
15 have had those print outs available. Ah, another recording
16 medium was referred to as a sonar working tape, which is an
17 audiotape of all what is occurring in sonar. Audio to the
18 operators talking to, not data from the sonar system. So you
19 can compare that to what actually happened to the record. That
20 tape is normally recorded over on a regular basis in sonar and
21 changed out once a day once it gets old and gets stretched. The
22 intent is that if something happens you would now take that tape
23 out before you recorded over it and just use a new tape. Now,
24 you can keep that one for that time when you had a wreck. The
25 playing back of the biologics was using this tape deck and they
26 never stopped doing that and never started a working tape back
27 up. That's why there is no audio record of that. The whole
28 recording of contact data is another term sonar, running tape on
29 a contact is kind of a colloquialism there and that is another
30 recording system. That is normally not used. That would be
31 used um, typically if you had an unexpected encounter with other
32 submarines or whatever and you wanted to try to record that. As
33 a coordinated effort um, to go ahead and get that data, that is
34 not normally done. A normal recording would be a working tape
35 of the operators talking, which is not available because of the
36 biologics. The data, which is sent to fire control as part of
37 the computer interface that should, that would be available.
38

39 WIT: Yes. I misunderstood. I thought that you were asking if
40 that recording; it's not like a black box on a aircraft. It
41 doesn't do that.
42

43 MR. ROTH-ROFFY: Okay. Thank you for that clarification
44 lieutenant. Who was involved in the conversation with the
45 officer of the deck regarding the failure of that remote display
46 unit located in control?
47

1 WIT: Myself and Petty Officer Holmes.
2
3 MR. ROTH-ROFFY: And you spoke directly with the officer of the
4 deck?
5
6 WIT: Yes.
7
8 MR. ROTH-ROFFY: And who actually ah, tagged the equipment out
9 and did all that safety checks on the tag out?
10
11 WIT: Which display are you referring to sir?
12
13 MR. ROTH-ROFFY: I am referring to the remote display unit from
14 your sonar data?
15
16 WIT: The one that shows what we are looking at?
17
18 MR. ROTH-ROFFY: Correct.
19
20 WIT: Okay. That was never tagged out. That unit was not
21 tagged out. The unit you are talking about the video display
22 unit that wasn't tagged out. The one that was tagged out was
23 the spectrum analyzer. That is the one that can give us class
24 information.
25
26 MR. ROTH-ROFFY: Okay. I am sorry. I was confused by that.
27 Who actually tagged out the spectrum analyzer?
28
29 WIT: I don't know. I don't know. I don't know. But it was
30 sonar, sonar division.
31
32 MR. ROTH-ROFFY: Do you recall when the officer of the deck or
33 the captain ordered emergency deep, what the ordered depth was?
34
35 WIT: Can I say that?
36
37 LT HEDRICK: Yeah, as long as you say anything less than 800.
38
39 WIT: 400 feet.
40
41 LT HEDRICK: Sorry that was LT Hedrick by the way.
42
43 WIT: Yes, sir. We were going to about 400 feet. 400 feet was
44 ordered depth.
45
46 MR. ROTH-ROFFY: And after you reached the depth of 400 feet,
47 did you do a baffle clear?

1
2 WIT: I can't answer that question sir. I was not in sonar.
3 I wasn't, I wasn't even in sonar when we steadied up on that
4 depth. Like I said, once we made it to periscope depth, no
5 close contacts, like I said, it has always been ah, a big event
6 for me, I don't play around with that. I may play around in
7 sonar and rib the guys and do a lot of things, but when we go to
8 PD that is a serious evolution. And ah, we went up to periscope
9 depth safely and when the report of no close contacts came
10 through, I was like okay, fine. And at that time the sonar
11 supervisor was like, hey I'm needing to go to the head here and
12 they said emergency deep, we went deep or we were going deep,
13 and I was like I will go get Petty Officer Holmes to relieve
14 you.
15
16 MR. ROTH-ROFFY: Could you describe what is meant by the term
17 "no close contacts".
18
19 WIT: Yes.
20
21 MR. ROTH-ROFFY: As far as range?
22
23 WIT: Can I?
24
25 WIT: Yes. What does no close contacts mean?
26
27 WIT: No close contacts means that there are no close contacts
28 in visual sight or within a specific, or within a range to
29 effect own ship. An immediate threat to own ship.
30
31 MR. ROTH-ROFFY: What is that range?
32
33 WIT: Anything inside a thousand yards, I would say.
34
35 LT HEDRICK: Point of clarification again. LT Hedrick, it is
36 easy to speculate that range on visual from sonar.
37
38 WIT: Yes, sir.
39
40 LT HEDRICK: Um, we've already discussed how you go about
41 getting a range on one leg of data and how none of that ranging
42 techniques were precise, they are all estimates involving
43 assumptions. Typically what the sonarman should be trained to
44 do, I don't know what happened on the GREENVILLE, but the
45 sonarmen should be trained to--close contacts as you were
46 looking for very bright traces showing up on your track.
47 Brightness representing strength of a contact. In general,

1 louder contacts are closer and that is a very general statement
2 and that can be exceptions to it and a lot of it is drawing on
3 the experience of the operators. That is why the supervisor is
4 always so more experienced than the OP, rather than the people
5 in front of him. So, it is an assessment made by the qualified
6 watchstanders whether or not they have a new contact as the
7 vessel is coming shallow. Whether or not that poses a collision
8 threat and merits warning the officer of the deck.

9
10 WIT: Yes.

11
12 MR. ROTH-ROFFY: Okay. So it is essentially an indication of
13 brightness, a bright indication on the sonar display unit?

14
15 LT HEDRICK: Also, as to the nature of the sound through the
16 headphones coupled with the nature of the environment and the
17 ranges that you have been watching contacts at in the recent
18 past.

19
20 MR. ROTH-ROFFY: And essentially he would be looking directly
21 ahead of him?

22
23 WIT: Periscope depth, yes.

24
25 LT HEDRICK: Focusing his attention directly ahead of him. The
26 intent is to inform the officer of the deck of a collision
27 threat.

28
29 MR. ROTH-ROFFY: Okay.

30
31 CDR CACCIVIO: Excuse me. I have a question for Mr. Roth-Roffy.
32 Are you, was the, was the intention of your question to get the
33 sonar operator we are questioning; was it your intention to get
34 his perspective of what the range appeared visually?

35
36 MR. ROTH-ROFFY: No, I was just trying to get an understanding
37 of what was meant by the term "no close contacts". How would
38 that be determined?

39
40 CDR CACCIVIO: Okay. Because - - - -

41
42 MR. ROTH-ROFFY: From sonar perspective.

43
44 CDR CACCIVIO: Okay, good. Because the term no close contacts
45 from ESM, no close contacts from OOD, and no close contacts from
46 sonar are all different reports, the same report, but they are
47 all conveyed differently.

1
2 MR. ROTH-ROFFY: Right, I was just trying to get from sonar,
3 what is the interpretation of no close contacts. I think I
4 understand now. I think that was my last question. I would now
5 like to pass the mike to Mr. Bill Woody.

6
7 MR. WOODY: This is going back on your background as a sonar
8 supervisor, a sonar supervisor. You looked at the log this
9 morning and you determined quickly that there was no range
10 information, ah no screw blade information in the log. Is that
11 something a supervisor normally looks at? To see if you are
12 obtaining this information as you go along?

13
14 WIT: The sonar supervisor should look at it. I, that is
15 another pet peeve of mine. If you have a contact in ATF, or if
16 you hold a contact, you have to try to get as much information
17 on this contact as possible. That way in case he goes into the
18 baffles and you don't pick this guy up again for 20, 30 minutes
19 you want to know that Sierra three is the same guy again. And
20 even though we go through Sierra numbers, we can pick up the
21 same guy with three or four different numbers. Sierra numbers
22 are cheap. That is a common phrase that we use. Sierra numbers
23 are cheap, just pick it up, then you know we will reclassify the
24 guy, but ah, we train ourselves to to be good at what do and
25 that this is definitely this contact because I saw that he had a
26 crooked "S", you know that this blade was, you know I am being
27 extreme, but he has three teeth on this blade. You know, we
28 want to know that we had the same guy again. And yes, that is
29 something that we always do and I know that I watch what we are
30 doing.

31
32 MR. WOODY: Okay. Now you mentioned that um, now we are going
33 back to the charts um, does sonar ever use the charts for
34 classification, for example you know that you are in a location
35 of land, do you ever use it to judge a contact because it could
36 help sometimes? You think it might be opening, but there is
37 land over there, did you do anything like that?

38
39 WIT: No, sir.

40
41 MR. WOODY: You don't.

42
43 WIT: No. We use the charts specifically for navigational
44 purposes and to give us more or less what kind of contacts we
45 will be picking up. Whether they are fishing vessels, merchant
46 vessels, or whatever. I mean on every chart, everything is
47 clearly labeled, merchant traffic lane, or submarine transit

1 area, or submarine OP area, or buoy field. I mean, whatever is
2 known out there in the water, it's charted. So we want to know
3 more of less what is there.
4
5 MR. WOODY: Going back to the time that you were on watch. The
6 person on the workload stack, that was, was it Emmons?
7
8 WIT: Yes, it could have been Emmons or Anderson at either time.
9
10 MR WOODY: What? Because you said that Anderson was on the
11 fathometer?
12
13 WIT: Yes.
14
15 MR. WOODY: And did they change back and forth?
16
17 WIT: Yes. People rotated through. It could have been anyone
18 of the guys at any point in time.
19
20 MR. WOODY: Along this line, now you have Rhodes who was a
21 unqualified watchstander and who was on the fathometer at that
22 time? This is the watch that followed yours? Was he a
23 qualified watchstander?
24
25 WIT: Yes. That was Petty Officer Anderson.
26
27 MR. WOODY: Anderson. Is this the same Anderson that was on
28 your watch?
29
30 WIT: Yes.
31
32 MR. WOODY: He could have - - - -
33
34 WIT: They could have rotated at any point in time.
35
36 MR. WOODY: Thing about it is, I have your watches as Holmes,
37 yourself, Emmons, and Anderson.
38
39 WIT: Yes. No, Anderson was a fathometer watch. One of the
40 fathometer watches.
41
42 MR. WOODY: One of the fathometer watches?
43
44 WIT: Yes. Emmons was on watch with me.
45
46 MR. WOODY: I was just interested in why you would have Rhodes
47 on the workload stack and an apparently qualified person on the

1 fathometer. Would that just be for the sake of rotation or
2 other reasons?

3
4 WIT: No. Because unfortunately SN Rhodes is not qualified in
5 fathometer either and the first thing that you should be getting
6 qualified is safety of ship. You need to know what a contact is
7 and you need to know and be able to discern hey this is a
8 merchant, trawler, or whatever. This is how you do things--
9 safety of the ship is paramount and that is one of the things
10 that we emphasize and that's why he was sitting where he was.
11 He wasn't the primary operator. He'll never be, at this level
12 that he is at now. He is not going to be trusted to be tracking
13 somebody, because he could be pick somebody up from a different
14 bay, he'll pick up a contact in the baffles.

15
16 MR. WOODY: Was there enough sonarmen onboard. You said that
17 you thought there was eight onboard. Was there enough to have a
18 person behind SN Rhodes at all times or would this have taken
19 some people off reassignment off watch to come back in?

20
21 WIT: Probably would have taken some people off reassignment off
22 watch to come back in.

23
24 MR. WOODY: Okay. You gave a nice discussion on the BT trace, I
25 don't think we have to discuss that. I think that is all I
26 have.

27
28 MR. STRAUCH: Yes this is Barry Strauch again. Before I forget.
29 Would you just go through what time you went to sleep and what
30 time you got up the night before the accident?

31
32 WIT: The night of the accident, or the morning of the accident
33 muster on station was around 5:00 A.M. and I remember getting to
34 bed early. I am typically an early riser anyway. And ah, I
35 don't have a problem getting out of bed and getting going. That
36 was, this was what? The accident happened on Friday, so
37 Thursday night I went to bed. Wednesday night, Wednesday
38 evening I had karate class, I worked out. I worked out that
39 morning on Wednesday, so yeah, I worked out on Wednesday and I
40 had a full day on Thursday. I went to bed, I went to bed at
41 roughly 8:00 P.M.

42
43 MR. STRAUCH: Okay and the night before was about the same
44 amount of hours?

1 WIT: No, the night before, I was, I got home around five. I
2 didn't have karate class that night so I didn't work out. It
3 was an easy day.
4
5 MR. STRAUCH: Alright. So how well did you consider yourself at
6 the time?
7
8 WIT: Oh, I was awake.
9
10 MR. STRAUCH: Okay. Um, of the different skills that I heard,
11 different abilities that I heard that a sonar operator needs;
12 apparently you need good hearing, good vision, is that all true?
13
14 WIT: Vision, oh no. If you can see you can be a sonar tech.
15
16 MR. STRAUCH: What is the most important attribute, in your
17 opinion that a sonar operator needs to be good?
18
19 WIT: To be ah, you have to be open-minded. You have to be able
20 to express what you hear. I mean ah, if I crunch up this
21 Styrofoam cup right now what is it going to sound like to you
22 and what it sounds like to him may be completely different. You
23 have to be able to vocalize what you are hearing.
24
25 MR. STRAUCH: Can you take two sonar operators of equal
26 experience and equal training, do what you just did, could you
27 get two different opinions of what they heard?
28
29 WIT: Maybe. And that is about as good as it is going to get.
30 Probably.
31
32 MR. STRAUCH: How much interpretation is involved in your job?
33
34 WIT: Not much.
35
36 MR. STRAUCH: Okay.
37
38 WIT: Not much really. I mean you gotta, if you have a contact,
39 you have a contact.
40
41 MR. STRAUCH: But if you take two equal sonarmen, you cannot
42 assure me that they can hear the same thing the same way?
43
44 WIT: Yes.
45
46 MR. STRAUCH: Sounds like there is a lot of interpretation in
47 there?

1
2 WIT: I made a, I made a statement the; yeah that is true. For
3 example if you hear a buoy chain, it may sound like a roll of
4 quarters to somebody and that guy might say no those are chains.
5 It just depends on the operator. It depends on the operator.
6
7 MR. STRAUCH: Okay. There were three operators on duty at the
8 time?
9
10 WIT: There were two operators and one supervisor.
11
12 MR. STRAUCH: When they hear something, do they all have to
13 agree on what it is?
14
15 WIT: No.
16
17 MR. STRAUCH: How does it work?
18
19 WIT: The call is made by the sonar supervisor on what it is.
20
21 MR. STRAUCH: And what if the other person disagrees with the
22 sonar supervisor?
23
24 WIT: He is not as senior as the sonar supervisor. It is his
25 call.
26
27 MR. STRAUCH: Does that happen?
28
29 WIT: Does that happen? Yeah.
30
31 MR. STRAUCH: Does it happen often?
32
33 WIT: Yes.
34
35 MR. STRAUCH: How often?
36
37 WIT: I think this is, I think this is biologics. That is not
38 biologics, that is a contact.
39
40 MR. STRAUCH: How do you know who is right?
41
42 WIT: The supervisor is right.
43
44 MR. STRAUCH: Because he is the supervisor?
45
46 WIT: Because he is the supervisor, the one with the most
47 experience on watch. Yes.

1
2 MR. STRAUCH: Whoever is the most experienced, that person is
3 always right?

4
5 WIT: No. And I can tell you why, no. Because for example the
6 day that this incident went down, Petty Officer McGiboney is
7 senior to me, but we are both the same rank. He would listen to
8 an opinion that I have a little bit more. He would listen to
9 the opinion of a second class or a third class with experienced
10 operational knowledge more than a guy who is just, lets say less
11 than a year's time on a stack, on a console. So I mean, even
12 though you are a supervisor doesn't mean that you heard
13 everything that is out there in the ocean. To me everything, to
14 me everything is a new experience, everyday. There are
15 biologics in the Pacific Ocean that I have never heard before,
16 as opposed to the Atlantic, so it just varies.

17
18 MR. STRAUCH: So when you talk about being open minded, what you
19 are saying is the ability - - - -

20
21 WIT: Being expected to absorb knowledge.

22
23 MR. STRAUCH: Okay.

24
25 WIT: Some people can't learn as well as others.

26
27 MR. STRAUCH: Were any of those people on duty at the time?

28
29 WIT: SN Rhodes is, SN Rhodes is a junior guy, but he is not
30 limited in any way. He is, he entered the Navy and he scored
31 very well on the entrance exam. He's a competent young man. He
32 just needs training in the areas that he needs to get trained
33 in.

34
35 MR. STRAUCH: Who made the call on the contact when it was
36 sonar's turn?

37
38 WIT: Which call?

39
40 MR. STRAUCH: The last one that was made, before I guess before
41 you went to periscope depth? Well, I am sorry. You said that
42 they went out of order?

43
44 WIT: Right it was - - - -

45
46 MR. STRAUCH: ESM, sonar, and radio?

1 WIT: ESM, sonar, and radio.
2
3 MR. STRAUCH: And ordinarily the order is something else?
4
5 WIT: That was before I left the fleet to go to shore duty. The
6 GREENVILLE, they do it that way because the first one to know if
7 there is going to be a close contact is ESM watch, because they
8 have the scope out of the water and they can tell.
9
10 MR. STRAUCH: At that time, when they went out of the order that
11 you just described. Who answered for sonar?
12
13 WIT: The supervisor.
14
15 MR. STRAUCH: Okay. Was there any disagreement before he said
16 that?
17
18 WIT: Disagreement as far as what?
19
20 MR. STRAUCH: Whether or not that there was a contact?
21
22 WIT: No.
23
24 MR. STRAUCH: Did he solicit opinions from anybody else?
25
26 WIT: No.
27
28 MR. STRAUCH: So if there was disagreement and he didn't solicit
29 it what would have you expected?
30
31 WIT: I would have expected one of the operators there to say
32 hey what about this contact. What about this contact. You did
33 not tell them about this contact. If there were another contact
34 out there the operators are going to tell you, sup you didn't
35 pass out this guy and this guy. I mean, they will do that.
36
37 MR. STRAUCH: Did that ever happen?
38
39 WIT: Oh yes.
40
41 MR. STRAUCH: When was the last time that happened?
42
43 WIT: Oh wow! It could be, I mean when was the last time. It
44 could be anytime. At anytime.
45
46 MR. STRAUCH: It happens often?
47

1 WIT: Yes.
2
3 MR. STRAUCH: People disagree?
4
5 WIT: Of course.
6
7 MR. STRAUCH: Well, if there is disagreement, what is more
8 critical, to disagree about something that maybe something is
9 there and you are saying it isn't there or maybe something that
10 isn't there and you are saying that it is there, in other words,
11 false alarm, critical of an actual contact?
12
13 WIT: I would error on the side of safety first.
14
15 MR. STRAUCH: You would say false alarm?
16
17 WIT: Yes.
18
19 MR. STRAUCH: Have you seen that happen?
20
21 WIT: No. Not that we won't look for a false alarm. We will
22 always investigate but I have never seen where a false alarm
23 hasn't been looked at.
24
25 MR. STRAUCH: Okay. Because what you had here was a miss?
26
27 WIT: What miss?
28
29 MR. STRAUCH: I mean, what you had on the day of the accident
30 was a miss?
31
32 WIT: Yes.-
33
34 MR. STRAUCH: Somebody missed the contact and - - - -
35
36 WIT: No, we were tracking Sierra, we had Sierra 10, 12, and 13.
37 Those were the only three contacts that we had. Now, this
38 contact I don't know where it came from.
39
40 MR. STRAUCH: Well there was a certain amount of time that
41 elapsed from the last sonar measurement that you took to the
42 time of the contact and when I asked you how much time had
43 elapsed you weren't really sure, it could be anywhere, 10 to 15
44 minutes. In your experience, do things change much, is it
45 possible that you took a sonar measurement, saw the way,
46 sounding the way the situation was. You went down and went back

1 up again. In that time this vessel transitioned to the area, is
2 that possible?
3
4 WIT: No, sir.
5
6 LT HEDRICK: Point of clarification here, LT HEDRICK. Just to
7 make sure that there is no confusion, Mr. Strauch. I am not
8 sure what you are referring to when you say sonar taking a
9 measurement. The operators are continuously monitoring and
10 listening to the contacts along all the bearings that they can
11 sense. That is a continuous process. You might want to ask
12 whether or not that process was happening. But it is not a, it
13 is not a lock step process. It is not sample the environment,
14 evaluate, go back and sample again. The mechanics of paying
15 attention are being done by the operators constantly. Most of
16 the analysis is done by the supervisor, who backs up his
17 operators due to his experience. That is general sonar process.
18 I just wanted to make sure that you were asking the question
19 that you wanted?
20
21 MR. STRAUCH: Thank you. That does clarify it. Was that
22 happening at the time?
23
24 WIT: That we were taking a look at the environment?
25
26 MR. STRAUCH: Yes.
27
28 WIT: At which specific time. On our way up to periscope depth?
29
30 MR. STRAUCH: Throughout, was there any point where the
31 operators weren't taking measurements?
32
33 WIT: From the time I entered sonar to the accident, I didn't
34 know.
35
36 MR. STRAUCH: Okay. There were operators at the stations
37 listening at all times?
38
39 WIT: Oh, yes.
40
41 MR. STRAUCH: Um, now you mentioned a couple of um, phenomena
42 that could interfere with sonar and this is all new to me. You
43 mentioned water conditions, you mentioned the near field effect.
44 You said that there was no near field effect?
45
46 WIT: No, not at all.
47

1 MR. STRAUCH: How do you know?
2
3 WIT: Because I didn't see it.
4
5 MR. STRAUCH: How would you have seen it?
6
7 WIT: I would have seen it right on the display in front of me.
8
9 MR. STRAUCH: And what would you have seen?
10
11 LT HEDRICK: Ah, I don't think you can discuss that until we
12 verify the classification. I think we can say that it is an
13 issue that we train towards and it is an indication that sonar
14 would have if it is not a cut and dry indication.
15
16 CDR CACCIVIO: Maybe you can ask him if it is a clearly
17 recognizable display?
18
19 MR. STRAUCH: Okay you are shaking your head.
20
21 WIT: Yes, it is very very recognizable. You would know it.
22 Could I say that the contact would - - - -
23
24 CDR CACCIVIO: Yes you can say that.
25
26 WIT: If we had a close aboard contact, he would drown out every
27 other contact we had on the sphere and we would see nothing but
28 him and we did not have that.
29
30 MR. STRAUCH: Okay and just to interrupt what you are saying,
31 there would be clear indications of this?
32
33 WIT: Yes.
34
35 MR. STRAUCH: Just like there would have been clear indications
36 that water conditions would have interfered with the sound and
37 there were no indications of that at the time?
38
39 WIT: Yes.
40
41 MR. STRAUCH: What other phenomena could mask the sounds or
42 interfere with the sounds?
43
44 WIT: You got the environment itself, you got the near field,
45 and you also have if the contact is at a narrow aspect to you.
46 You wouldn't be receiving his signature. I mean, you would see

1 a noise source, yeah, but you wouldn't be able to tell what he
2 was doing.
3
4 MR. STRAUCH: So there are three?
5
6 WIT: There are so many. I mean - - - -
7
8 MR. STRAUCH: Tell me some others?
9
10 WIT: Narrow aspect ah, the guys is in your baffles, you know,
11 you just don't see him because you are not facing that way. Um,
12 he is through the layer, through the sound layer, his sound is
13 trapped in another layer. There is a sound channel in the
14 environment, sound is being funneled away from you, I mean it
15 could just go on and on. Or he is just idling his engines. You
16 know a idling engine is detectable yes, but not at extreme
17 ranges. It just depends. We didn't have any of those classic
18 identifiers. Another classic identifier a contact is close, it
19 is going to go from one bearing to the other extremely quick, it
20 is going to have an extremely high bearing rate and we didn't
21 have that.
22
23 MR. STRAUCH: Of these phenomena that you are describing, where
24 any of these taking place at the time?
25
26 WIT: No.
27
28 MR. STRAUCH: How would you have know?
29
30 WIT: They are easily recognizable. They are easily
31 recognizable. Even the junior most operator is going to go, hey
32 that is fast if it is a high bearing rate contact. Why is he
33 going from here to here really quick.
34
35 MR. STRAUCH: Okay. Now SN Rhodes, he was in training?
36
37 WIT: Yes.
38
39 MR. STRAUCH: Who was training him?
40
41 WIT: Well the entire division. At that particular time, Petty
42 Officer McGiboney being the supervisor was over him.
43
44 MR. STRAUCH: Okay. Who would sign off to say that he is
45 qualified?
46

1 WIT: He would have to, see you get what is called a
2 qualification card and then the qualification; every step of
3 your qualification is broken down to smaller steps. Either
4 required reading or a specific evolution that you have to
5 accomplish, specific things that you have to do as well, in
6 order to qualify for a watchstation.
7
8 MR. STRAUCH: There are milestones that you have to do?
9
10 WIT: Yes.
11
12 MR. STRAUCH: It is not a question of interpretation of skill?
13
14 WIT: Yes.
15
16 MR. STRAUCH: It is that also?
17
18 WIT: It is that also. I mean because you can have all the book
19 smarts and still not be able to tell me that this demon straits
20 is a contact and you are saying that it is biologics, you know
21 what I am saying. I mean you are saying that it is biologics,
22 but it is actually a merchant.
23
24 LT HEDRICK: A point of clarification, LT Hedrick. Standard
25 Navy qualification procedures which are not significantly
26 changed at the ship level, but are Navy-wide, or at least
27 submarine force wide, the qual card can be thought as a whole
28 bunch of blocks to check off on a list. Not necessarily in
29 order. Many things that you must do. Some of them would be to
30 go talk to senior personnel about different things that you have
31 read up on, talk to senior personnel about guidance in certain
32 books. Some of them would be to perform physical actions. Stand
33 a 6 hours underinstruction watch. Stand a watch while preceding
34 to periscope depth and it will detail all of those. Qualified
35 personnel can sign those off. Different ships have different
36 policies on who can sign off, but it is always a qualified
37 person. Sometimes a senior qualified. Upon the completion of
38 all of that, there is also a written exam that has to be taken
39 and passed and typically review of any missed questions or
40 questions that were answered perfectly. And then there is
41 always a series of interviews which typically would involve the
42 chief of the division, the division officer, and most of the
43 times the department head. For a senior watchstation, for sonar
44 supervisor, those interviews will go all the way up to the
45 commanding officer. For a sonar watchstander, those final
46 interviews are signed off by the weapons officer or the combat
47 systems officer after interviews with the division officer and

1 division chief and even if it is not on the card, normally the
2 division leading petty officer of the division, will see him
3 before the chief does. Sometimes it is done as a board,
4 sometimes it is done in sequence. It is a very detailed process
5 and very ah, it is not open to a lot of interpretation. Pretty
6 detailed. You will do these things, you will learn these
7 things. And then the board, the questioning environment of the
8 interview is where you can get some interpretation of skill ah,
9 maybe they watch him perform on a watch, maybe they will ask him
10 specific questions that aren't covered on the card that they
11 feel are important.

12

13 MR. STRAUCH: That's all true?

14

15 WIT: Yes.

16

17 MR. STRAUCH: So, it is a very rigorous process?

18

19 WIT: Yes, sir. It is not pleasant. (Laughs)

20

21 MR. STRAUCH: Have you ever encountered anybody that went
22 through this process even though he really wasn't any good at
23 it?

24

25 WIT: Yes.

26

27 MR. STRAUCH: How often have you encountered this?

28

29 WIT: Not too often. Then again, then again what I think a
30 person should be prepared at maybe different than what you
31 think? My standards maybe higher than a different supervisor.
32 I may, for example think logs, the log is something that if you
33 have a contact I want you to put down as much data as you can
34 about it. You know and some people are like, as long as we have
35 it. You know what I mean. Talking while going to periscope
36 depth. I don't allow it. You know, I don't know anyone that
37 does allow any horseplay during the periscope depth evolution
38 even though we are not jumping around all over the place. I
39 mean, it is a serious evolution.

40

41 MR. STRAUCH: But it is not a full proof process. People do
42 fall through the cracks apparently?

43

44 WIT: Some do.

45

46 MR. STRAUCH: And you worked with some of these people, I guess?

47

1 WIT: Yes, but they do get trained.
2
3 MR. STRAUCH: And just like the sonar itself there is a lot of
4 interpretation involved?
5
6 WIT: Yes.
7
8 MR. STRAUCH: You described the ah, the area where this occurred
9 was a high shipping density?
10
11 WIT: Yes. There are a lot of pleasure craft, a lot of fishing
12 vessels, I mean Pearl Harbor is a high operating port.
13
14 MR. STRAUCH: Where the incident occurred, would that fall into
15 what you described as a high shipping density area?
16
17 WIT: Nine miles out of any coastal area is pretty high. And
18 um, I am just going off of what I saw on TV, where it happened.
19 I didn't look at the chart to see where our position was when I
20 walked into the sonar room the second time. Prior to that we
21 were in transit on our way out and diving and doing angles and
22 dangles and I didn't see where we were at the time of the
23 accident?
24
25 MR. STRAUCH: Okay. So you saw it on TV?
26
27 WIT: Well I saw it on TV, but I don't know how accurate that
28 was. They are twisting everything else up so.
29
30 MR. STRAUCH: What do you think, based upon what you saw or read
31 about? Where this occurred was a high shipping density?
32
33 WIT: Sir, I was there and I am still confused. The first three
34 days I didn't sleep much, after the accident, I ah, second-
35 guessed myself. I mean, did I miss something. Did I not see
36 something. Did I, and then in light of, could I have backed up
37 the supervisor any more. Should I, should I have let him sit
38 there. You know, all these thoughts rolled threw my head and
39 you know then we got beaten up because we didn't have a work
40 tape running. What would have that prevented? You know, what
41 would that have proved? I still can't rationalize what
42 happened. I don't know what we did. I mean we go to periscope
43 depth, we do a emergency deep, and from the time it took me to
44 run out of sonar, to the cruise mess, into the torpedo room,
45 which was less than two minutes, we collided with someone. I
46 mean, we did a 360 degree visual search and there was nothing
47 there and we blow and we hit someone that we didn't see. I look

1 at the displays and we are still tracking these contacts. I am
2 like "what the hell happened". I cannot answer that question.
3 I don't know.
4
5 MR. STRAUCH: You asked yourself, what could you have done
6 differently? Knowing what you know now, what would you have
7 done differently?
8
9 WIT: I probably wouldn't have given up the watch. I probably
10 would have sat there until we pulled in. Is that the right
11 answer. I don't know. Because now I am running into fatigue.
12 Am I really as alert as when I came onto watch? I ah, I mean, I
13 didn't do anything different than I do before. We pick up a
14 contact we track it. We put it in ATF and we say hey we think
15 this guy, we think this guy has a bearing rate as such. We pass
16 this information off to fire control and then based upon the
17 information that they got, it starts to come together. I don't
18 really see him drawing to the left, I see him drawing to the
19 right. You know, all these things come into play. We didn't do
20 anything out of the, the only thing that wasn't the same, was
21 that we had civilians onboard. Did the distract me? No.
22
23 MR. STRAUCH: Well, you also had the spectrum analyzer was out?
24
25 WIT: Yes.
26
27 MR. STRAUCH: Okay. That was also out of the ordinary?
28
29 WIT: It is not uncommon for equipment to crash on you. But you
30 can recover. But the spectrum analyzer was tagged out. We knew
31 that was down.
32
33 MR. STRAUCH: What did that do to your ability to interpret?
34
35 WIT: It just took away a back up. You see the spectrum
36 analyzer is not our primary source of detecting a contact and
37 classifying it. It is done all on the legacy system. Now, we
38 use that as a secondary. So all we do is lose a secondary, the
39 primary was still there.
40
41 MR. STRAUCH: What is the legacy system?
42
43 WIT: Busy one system.
44
45 MR. STRAUCH: Is this the one we have been talking about?
46
47 WIT: Yes.

1
2 MR. STRAUCH: Okay. I don't have any more questions. Thank
3 you.
4
5 LT HEDRICK: If the BQR22 is operational would it have a
6 dedicated watchstander? I am sorry, this is LT Hedrick.
7
8 WIT: No sir. It would not have.
9
10 LT HEDRICK: When the watch section relieves, does the whole
11 section relieve or do individual people relieve other individual
12 people?
13
14 WIT: Individual people relieve individual people, it is not
15 done all at the same time. It is done on a one on one basis.
16 "What do you got", and then you ask the supervisor for
17 permission to relieve.
18
19 LT HEDRICK: Do you recall what watchstander was relieved by SN
20 Rhodes?
21
22 WIT: Emmons.
23
24 LT HEDRICK: Emmons?
25
26 WIT: Petty Officer Emmons. I had primary. Emmons had workload
27 share.
28
29 LT HEDRICK: Just to help provide clarification for board
30 members and other folks that will listen to this tape, regarding
31 the term "no close contacts". Would you proceed to periscope
32 depth if one of your contacts was considered a close contact, in
33 the term of "no close contacts"?
34
35 WIT: No, sir.
36
37 LT HEDRICK: No. Give me a couple of incidents where sonar
38 would think that they would have a contact and would make that,
39 well let me change that; if you reevaluated and discovered that
40 one of the contacts was close or you gained a new contact that
41 you considered close on the ascent to periscope depth?
42
43 WIT: The supervisor would immediately report or recommend an
44 emergency deep due to close aboard contact. Close aboard
45 contact, recommend aborting periscope depth and now that the
46 supervisor made that report and the OOD has to weigh, based upon
47 what he has already known in the fire control solution, based

1 upon what he has already seen off the sonar displays, what he
2 wants to do. Does he want to go emergency deep.
3
4 LT HEDRICK: Typically how long does it take to make that
5 determination from the time that a watchstander or supervisor
6 sees a significant change in contact parameters or gets a new
7 contact? How long before he says recommend emergency deep if
8 that's his recommendation?
9
10 WIT: That is the supervisor's call and it is done right away.
11
12 LT HEDRICK: In seconds or minutes?
13
14 WIT: Right away - - - -
15
16 LT HEDRICK: Right away.
17
18 WIT: In seconds. I mean, if he see a contact on the right
19 drawing left, right, I mean clearing over 6, move.
20
21 LT HEDRICK: I understand. Does the sonar-training program
22 involve listening to audiotapes of different kinds of contacts?
23
24 WIT: Yes, sir.
25
26 LT HEDRICK: Okay. Say you have a bunch of junior sonarmen, one
27 year onboard standing basic sonar operator for just part of that
28 time. What percentage of them would you think would properly
29 identify a buoy chain? Just a swag?
30
31 WIT: We have ten junior sonarmen. I would say 7 of them would
32 be able to.
33
34 LT HEDRICK: Okay. Ah, first class standing sonar supervisor,
35 how many of them would be able to properly identify a buoy
36 chain?
37
38 WIT: Hopefully all of them. Hopefully all of them. I would
39 say one would miss.
40
41 LT HEDRICK: Okay. Um, I think that serves as a decent
42 illustration. It is kind of hard to say what percentage of
43 folks would get something right. Six guys with one year of
44 training, you get a completely different range of answers then 6
45 guys with 7 years of training on a second sea tour. That was
46 the point is was trying to make.
47

1 CDR CACCIVIO: Let me get for the record that this is your
2 opinion?
3
4 WIT: That is my opinion sir. I mean sonar is not an exact
5 science. It is not an exact science. There is no concrete way
6 of being able to tell you yeah, definitely what it is. We
7 tracked, I'll say it, I've tracked ships, surface war ships that
8 I thought were merchants. I'll say it, it is true. I've
9 tracked war ships that I thought were merchants.
10
11 LT HEDRICK: And how did you find out that your classification
12 was wrong?
13
14 WIT: We saw them through the periscope. I mean that there is
15 no exact science. I mean, it is ah, - - -
16
17 LT HEDRICK: Can sonar determine an exact range of a contact?
18
19 WIT: No sir.
20
21 LT HEDRICK: Even all this bearing rate analysis and course
22 changing?
23
24 WIT: No.
25
26 LT HEDRICK: Changing courses at desired frequency for an hour,
27 can't you get an exact range?
28
29 WIT: No. No you cannot.
30
31 LT HEDRICK: Can you get exact range with active sonar?
32
33 WIT: You definitely can. Because you; no you cannot.
34
35 CDR CACCIVIO: Point of clarification. What do you mean by
36 exact range?
37
38 WIT: I cannot tell you exactly how far that this contact is
39 within 2 feet. I can't do that. I can't tell you - - -
40
41 CDR CACCIVIO: How about with 4 feet?
42
43 WIT: No I cannot. I can only tell you that this guy is inside
44 of five six thousand yards. I can tell you he is inside two
45 thousand yards with active. Without active, anything inside of
46 there - - -
47

1 LT HEDRICK: LT Hedrick again, say you evaluate a contact at ten
2 thousand yards. Say you have high confidence in his range.
3 What would be the expected minimum and maximum range that you
4 would expect to see that contact in? With a high confidence
5 that you think that he is at ten thousand. To you, do you think
6 that he would be no closer than what?
7
8 WIT: Passively or actively?
9
10 LT HEDRICK: Passive.
11
12 WIT: If I have a passive ten thousand yards I expect him to be
13 out truly 15 thousand yards.
14
15 LT HEDRICK: Right. There is going to be a range. If you tell
16 the officer of the deck I have high confidence that this contact
17 is at ten thousand yards - - - -
18
19 WIT: Right.
20
21 LT HEDRICK: What is the range that you feel fairly confident
22 that he would be in?
23
24 WIT: Oh! If I know that he, yeah that he is at ten, he is at
25 ten. Is that, I mean I don't know - - - -
26
27 LT HEDRICK: Let me rephrase the question. You've maneuvered
28 own ship three or four times and several Eklund ranges. You now
29 feel the contact is at ten thousand yards. Do you think that is
30 ten thousand plus or minus a hundred, plus or minus five
31 hundred, plus or minus thousand, plus or minus two thousand.
32 What would you consider a high level of confidence? What kind
33 of range bracket?
34
35 WIT: Plus or minus a hundred. If we maneuvered that many
36 times, yes.
37
38 LT HEDRICK: A hundred yards. Okay. No other questions.
39
40 LT JOHNSON: This is LT Johnson. I have just a few.
41
42 WIT: Now really quick. The ranges that we are talking about
43 - - - -
44
45 MR. ROTH-ROFFY: Sorry to interrupt here. We are getting near
46 the end of the tape if your line of questioning is going to

1 exceed more than about thirty seconds we are going to need to
2 stop.
3
4 LT JOHNSON: Oh, it is going to be more than thirty seconds.
5
6 MR. ROTH-ROFFY: We will stop at this time and change the tape.
7
8 (The recorder changed the tape).
9
10 MR. ROTH-ROFFY: Okay, we are live again.
11
12 LT JOHNSON: You were in the middle of answering.
13
14 WIT: LT Hedrick, I think you asked about the ranging. The
15 ranging that I typically do in sonar is based on the sensors
16 that I have and the ranges that we get. If it is outside ten
17 thousand yards that is a good range. Those, those are
18 estimates. All I have is little plastic whiz wheels. I don't
19 have a multi billion-dollar system to give me a definitive,
20 definitive range. So, the accuracy of the range, I can be off
21 as far as five to six thousand yards. You know though, when I
22 am on, if I am saying ten thousand yards and fire control is
23 saying ten thousand yards it is pretty on. But, I mean other
24 than that, I can't tell ya, I can't tell ya yeah this guy is - -
25 - -
26
27 LCDR SANTAMAURO: This is LCDR Santoamauro. Would you still say
28 still fifteen. The question to you is "do you think the contact
29 is at ten thousand yards or greater?" Would you be surprised
30 that it was a lot more than plus or minus one hundred yards? Is
31 that still - - - -
32
33 WIT: Oh no! I wouldn't be surprised at all. You are asking me
34 if it was greater than ten thousand yards - - - -
35
36 LCDR SANTAMAURO: If it was greater - - - -
37
38 WIT: Oh, not at all.
39
40 LCDR SANTAMAURO: So, we go back to the question and continue.
41 Would you be surprised if it was plus or minus five hundred
42 yards away from your estimate?
43
44 WIT: Actually, I would be really surprised then. I am like,
45 yeah. Even with this multi billion dollar system, no. I
46 wouldn't be surprised at all, if they said it was greater, I

1 wouldn't be surprised at all. If they said it was closer, then
2 I would be like, woo! Yeah, I mean its - - - -
3
4 LT JOHNSON: This is LT Johnson. You mentioned that you don't
5 have a multi billion dollar system, but you have a whiz wheel?
6 What information are you putting into your whiz wheel to give
7 you this range information?
8
9 WIT: You take in speed.
10
11 LT JOHNSON: Who's speed?
12
13 WIT: Own ships.
14
15 LT JOHNSON: Your speed?
16
17 WIT: And then his bearing rate.
18
19 LT JOHNSON: Okay, his bearing rate.
20
21 WIT: And that gives you the range.
22
23 LT JOHNSON: Okay. Um, I want to go back to some questions from
24 over there. Um, we don't, well first of all, have you ever seen
25 a qualified person have his qualification removed from him for
26 poor performance?
27
28 WIT: I have never seen it personally.
29
30 LT JOHNSON: Have you ever heard of it?
31
32 WIT: Yeah, I have.
33
34 LT JOHNSON: You have?
35
36 WIT: Yes, I had.
37
38 LT JOHNSON: So basically once you are qualified, you haven't
39 arrived so to speak and you can never be touched again?
40
41 WIT: Yes, sir.
42
43 LT JOHNSON: And you are constantly being evaluated for
44 performance?
45
46 WIT: Oh, absolutely.
47

1 LT JOHNSON: And you made the comment that the supervisor is
2 right because he is the supervisor?
3
4 WIT: Yes.
5
6 LT JOHNSON: Do you stand behind that?
7
8 WIT: Not at all.
9
10 LT JOHNSON: Okay.
11
12 WIT: He can be overridden.
13
14 LT JOHNSON: By?
15
16 WIT: The officer of the deck.
17
18 LT JOHNSON: But in sonar itself, it is just the pure fact that
19 he is manning the supervisor position that makes him right?
20
21 WIT: No, he is not a deity. No.
22
23 LT JOHNSON: Okay. You stated also that you are certain that no
24 contacts were missed? That you don't know how this guy got
25 there, but you didn't miss any contacts?
26
27 WIT: Right.
28
29 LT JOHNSON: Um, with that in mind. What is the only way that
30 you can be certain and I understand that the ship is
31 maneuvering, your clearing baffles left, right, your up, down,
32 all around. What is the only way that you can be certain that
33 when you regain a contact, that you actually have a regain? I
34 think you said that Sierra numbers are cheap, I think that's
35 what your comment was. How can you be certain that what you
36 have is an actual regain and not a new contact?
37
38 WIT: There is no one hundred percent way to know.
39
40 LT JOHNSON: Okay. What is the best data that you would have
41 available to you as a sonar sup to tell you that this is a
42 regain of Sierra 1, I know it because what?
43
44 WIT: Frequency information.
45
46 LT JOHNSON: Frequency information. Anything else?
47

1 WIT: Yes. Frequency, screw blade information.
2
3 LT JOHNSON: Screw blade information.
4
5 WIT: But that's, that's not always complete.
6
7 LT JOHNSON: Oh sure.
8
9 WIT: That is not exactly one hundred percent either. You have
10 merchants that have the same screw blade configuration, but they
11 give you a completely different signal.
12
13 LT JOHNSON: Based upon your log entries there, and I am going
14 to go into your log and ask you to refer to that. On your
15 contacts, specifically Sierra 12, 13, and 10.
16
17 WIT: Yes, sir.
18
19 LT JOHNSON: In the absence, and I understand that there is no
20 screw blade information available in the log, nothing was ever
21 logged down. So what would be the, how are they ascertaining
22 that they are regaining these contacts and in effect when they
23 fade a contact that they are not gaining a different contact on
24 the same bearing? Is there any way that they can ascertain that
25 through the screw blade count or anything else?
26
27 WIT: No.
28
29 LT JOHNSON: So what are they, so what are they using to say it
30 is a regain. What information are we using to designated as a
31 regain?
32
33 WIT: Well, if you are tracking a contact the only time that you
34 will lose it is if it absolutely shuts down, fades, or goes into
35 the baffles. These contacts here, the only one that went into
36 the baffles, was Sierra 10. After he went into the baffles,
37 they never regained him, that I know of.
38
39 LT JOHNSON: Are you talking throughout that log the only
40 contact that went into the baffles was Sierra 10?
41
42 WIT: No. No, that is not what I am saying.
43
44 LT JOHNSON: What are you saying?
45
46 WIT: What I am saying is if you put a contact in the baffles
47 and you take him out of the baffles. He goes into the baffles

1 - - - -
2
3 LT JOHNSON: Right.
4
5 WIT: During own ship's maneuver.
6
7 LT JOHNSON: Sure.
8
9 WIT: And you clear one hundred and twenty degrees and you pick
10 him back up on the other side of the ship, you know it is the
11 same contact, because you can still see him on the display.
12 Even though, let me draw it out.
13
14 LT JOHNSON: So you never actually truly lose a contact when
15 they enter the baffles, you can track them through the baffles?
16
17 WIT: No.
18
19 LT JOHNSON: Are you for certain?
20
21 WIT: No, you cannot.
22
23 LT JOHNSON: Do you lose them when they go into the baffles?
24
25 WIT: Yes, you do.
26
27 LT JOHNSON: How can you ascertain that you are regaining the
28 same contact out of the baffles and it is not a different
29 contact out of the baffles?
30
31 WIT: The way it sounds.
32
33 LT JOHNSON: Okay. So audible. The way it sounds?
34
35 WIT: Yes.
36
37 LT JOHNSON: Characteristics?
38
39 WIT: Yes.
40
41 LT JOHNSON: Alright, I understand. Do me a favor and look at
42 your logbook there and um, give me the approximate bearing drift
43 of Sierra 13, based upon the contact information you have there
44 in your ten-minute intervals.
45
46 WIT: In ten-minute intervals?
47

1 LT JOHNSON: Or however often you log him on, I know he is in
2 and out, in and out, but I think we got four or five good hits
3 on him. What is your bearing rate? Go to thirty minutes prior
4 to the actual incident? That should give you about 4 pieces of
5 information?
6
7 WIT: They gained Sierra 13 at 2233. Then the rate was three
8 five seven. Sierra 13 later, well two minutes later, 2235.
9 They faded him at three five nine. Five minutes later, at 2240,
10 they gained him at the same bearing three five nine. At 2242,
11 only two minutes later, Sierra 13 faded at three five nine.
12 They gained him again at 2250, north zero zero one. At 2312,
13 they have him bearing zero zero seven. And at 2325, he is
14 bearing zero zero nine. He has a right bearing.
15
16 LT JOHNSON: Okay, so you are saying that he has a right bearing
17 rate? That's what I have. Now with a right bearing rate, is
18 that a dangerous type of situation? Which is the safer bearing
19 rate, a right or a left?
20
21 WIT: It depends on which side of the array he is on. If he is
22 on the right side - - -
23
24 LT JOHNSON: Which side of the array is he on?
25
26 WIT: It is hard to say, I don't know what own ship's head is.
27
28 LT JOHNSON: We don't have the deck log. We got the deck log
29 information.
30
31 LCDR SANTOMAURO: Ship's heading is two four zero through 2240.
32
33 WIT: We were going two four zero, sir.
34
35 LCDR SANTOMAURO: At 2240.
36
37 WIT: At 2240, oh shit, he is on the left drawing right.
38
39 LT JOHNSON: Okay. Exactly. Um, is it possible you made the
40 comment that no contacts were missed?
41
42 WIT: Right.
43
44 LT JOHNSON: Is it possible that the collision may have occurred
45 with the contact that you had?
46
47 WIT: Seeing what I am seeing here, yeah.

1
2 LT JOHNSON: Was it entirely possible that you could have held
3 the contact and actually tracked it and actually hit the contact
4 that you had?
5
6 WIT: It is possible. But what is weird. Okay it is possible.
7
8 LT JOHNSON: I know that no certainty, but is it; based on the
9 bearing rate information that you have and based on all the
10 information that you have in front of you right now, in
11 recreating it, it is possible?
12
13 WIT: Yes.
14
15 MR. ROTH-ROFFY: I would like him to finish his statement. This
16 is Tom Roth-Roffy. He said "what's weird is".
17
18 LT JOHNSON: Okay. Sorry go ahead.
19
20 WIT: I had him on the left. He was on the left, when we went
21 to PD. I remember that. It was twelve, thirteen, we came
22 right. We went to PD. I mean, did own ship turn.
23
24 LT JOHNSON: That is what I am going after. This is LT Johnson,
25 Coast Guard. We have the depth, the ship's log, a copy of the
26 ship's log here. So um, are you aware of anything, does the
27 CONN normally notify any of the sonar watchstanders when they
28 are changing courses?
29
30 WIT: Yes.
31
32 LT JOHNSON: So, if you were in the process of going to
33 emergency deep and a course change would have been ordered you
34 would have been notified of that?
35
36 WIT: Yes.
37
38 LT JOHNSON: Would a course change during the descent to
39 emergency deep affect your picture?
40
41 WIT: Yes.
42
43 LT JOHNSON: I don't know what time, you guys have our notes in
44 front of you.
45
46 LCDR SANTOMAURO: I have the time.
47

1 WIT: I wasn't there though.
2
3 LT JOHNSON: You weren't in there during a - - - -
4
5 WIT: No.
6
7 LT JOHNSON: Okay.
8
9 WIT: No. When we went to, when he said emergency deep that's
10 when I left to get him a relief.
11
12 LT JOHNSON: Okay. I just wanted you to take a look at the log
13 and look at those bearing rates and what we had, because you are
14 very emphatic about no contacts were missed, we were very
15 prudent, we did very good searches.
16
17 WIT: Yes.
18
19 LT JOHNSON: I am over crunching numbers too. And I just want
20 to know based on the information that the sonar operator logged
21 was it entirely possible you in fact did not miss a contact, but
22 you in fact held a contact that would have been the one that you
23 collided with? And I understand that it is just a possibility?
24
25 LCDR SANTROMAURO: This is LCDR Santomauro. You were clearing,
26 right before you started clearing baffles you were actually on a
27 course three four zero. And then there was a left full rudder
28 and he completely came around to one two zero. In order to
29 clear the baffles. That is what it looks like. Is that what
30 the log shows.
31
32 LT HEDRICK: LT Hedrick. The log shows that at 1238, the ship
33 was starting to steady on course three four zero. Shortly
34 followed by an order for a right full rudder to the course one
35 two zero.
36
37 LCDR SANTROMAURO: That is correct.
38
39 LT JOHNSON: LT Johnson. I don't have any further questions.
40 Thank you.
41
42 LCDR SANTROMAURO: So with the head of three four zero, the
43 contact is actually I believe at that point to the right of zero
44 zero zero.
45
46 LT HEDRICK: LT Hedrick. For the record there is, the deck log
47 shows what courses were ordered. There is no log entry of

1 steadying on course three four zero. Which would be a required
2 log entry. This is a manually kept log. I believe the tact
3 three data tapes that are being analyzed will be able to show
4 that data for you. It could be retrieved. This is all what a
5 person writes down.
6
7 MR. ROTH-ROFFY: Any further questions. Go ahead.
8
9 LCDR SANTOMAURO: This is LCDR SANTOMARUO again. I have a
10 couple. When reports are being made to the CONN on Sierra's 12
11 and 13, were ranges passed to the CONN as well, estimated
12 ranges?
13
14 WIT: Not that I remember, sir.
15
16 LCDR SANTOMAURO: But yet you believe that those contacts to be
17 at ten thousand yards or greater?
18
19 WIT: Based on the bearing rate that I had at the time going to
20 periscope depth, yes sir.
21
22 LCDR SANTOMAURO: With a high confidence?
23
24 WIT: Yes.
25
26 LCDR SANTOMAURO: But that information was not given to the
27 officer of the deck via the 27MC?
28
29 WIT: I don't know, sir.
30
31 LCDR SANTOMAURO: Can you tell me why we didn't log ranges if we
32 had a high confidence in them?
33
34 WIT: I don't know.
35
36 LCDR SANTOMAURO: You don't have any idea?
37
38 WIT: No.
39
40 LCDR SANTOMAURO: Early you had stated that the ASVDU had gone
41 down on the maneuvering watch and that you reported that to the
42 officer of the deck, is that correct?
43
44 WIT: He was the one who saw it, sir. He called sonar out and
45 asked what is wrong with the ASVDU.
46

1 LCDR SANTOMAURO: Is that the officer of the deck or the control
2 room supervisor? Where is the officer of the deck at?
3
4 WIT: No, I am sorry, the officer of the deck was on the bridge.
5 It had to be the navigator.
6
7 LCDR SANTOMAURO: So it was the navigator?
8
9 WIT: Yes, sir. He asked us "what is wrong with the ASVDU". So
10 if he was the control room supervisor, then it would be him.
11
12 LCDR SANTOMAURO: Okay. One of the other factors that came out
13 with the interview of one of the other Japanese personnel that
14 stood watch in the engine room is that and the question that I
15 had asked him was specifically "when he was in the engine room
16 did he have a need to wear hearing protection while he was in
17 the engine room" and his answer was "no". Which kind of
18 indicates to me, that is kind of surprising, that when you are
19 running a diesel engine that wouldn't bother your ears, which
20 would indicate to me that this ship, which was fairly new,
21 fairly quiet, and with that bow aspect - - -
22
23 MR. ROTH-ROFFY: This is Tom Roth-Roffy. I don't necessarily
24 agree with that assessment. I mean, it is not important whether
25 we agree or not, I mean there is a lot of subjective things to
26 do with hearing and in the old days on the U.S. flag ships, they
27 didn't wear hearing protection on steam vessels and you know
28 they were very loud. It is just an subjective assessment of the
29 noise level, if whether or not you wanted to wear hearing
30 protection.
31
32 LT HEDRICK: LT Hedrick. The majority of the noise that a
33 modernized submarine is capable of sensing in the water is - -
34 due to the propeller churning up the water as it rotates or
35 vibrations transmitted through the hull from machinery that
36 would be direct coupled machinery, the amount of noise that
37 would be generated through the air and then through the hull to
38 the hydrophones is virtually nonexistent.
39
40 MR. ROTH-ROFFY: Thank you for that.
41
42 LCDR SANTOMAURO: That is all I have.
43
44 MR. WOODY: I will ask these personal questions. Bill Woody,
45 NTSB. We always ask a few personal questions in every situation
46 like this. For example, your age?
47

1 WIT: I am thirty years old, sir.
2
3 MR. WOODY: Your height and weight?
4
5 WIT: I am 5' 11" and I weigh about one hundred and seventy five
6 pounds.
7
8 MR. WOODY: Are you in good health?
9
10 WIT: Yes.
11
12 MR. WOODY: Are you taking any medications prescribed by a
13 physician?
14
15 WIT: None.
16
17 MR. WOODY: Do you do any self-medications?
18
19 WIT: No.
20
21 MR. WOODY: Such as for sinus?
22
23 WIT: No, sir.
24
25 MR. WOODY: I see you wear glasses. Are you eyes corrected,
26 20/20?
27
28 WIT: Yes.
29
30 MR. WOODY: Okay. And you prepared a 72-hour history, which you
31 said that you would forward to us.
32
33 WIT: I will fax that.
34
35 MR. WOODY: And the last question. Have there been any bad
36 events in your life such as real bad news of a depression nature
37 or has there been any good news of an exhilarating nature? Any
38 big life changes, say in the last month?
39
40 WIT: No, sir.
41
42 MR. WOODY: Okay. Thank you very much.
43
44 MR. ROTH-ROFFY: Okay. This is Tom Roth-Roffy back. Petty
45 Officer Reyes I would like to give you my business card and
46 during the next couple of days, if anything occurs to you that
47 you would like to share with me or the investigating team I

1 encourage you to please give me a call. After you have had time
2 to reflect on your answers that you have been asked. If
3 anything that you would like to add to what you had already told
4 us, I would sincerely appreciate it if you would call me. Time
5 is about 1203, and that concludes are interview of Petty Officer
6 Reyes.

7